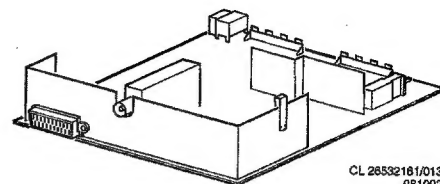


Service
Service
Service

Anubis A

AC




Service Manual

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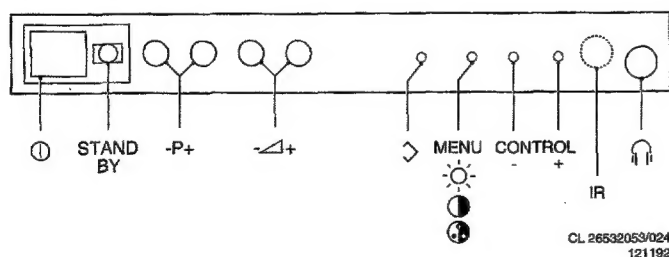
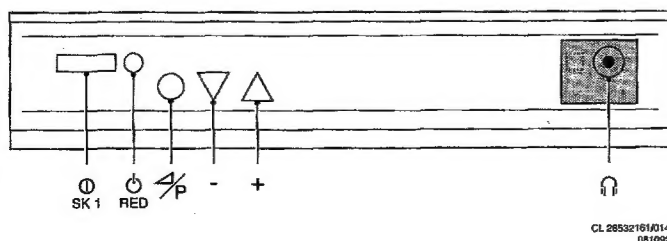
Mains voltage	: 220-240 V \pm 10 %
	: 50 Hz \pm 5 %
Aerial input impedance	: 75 Ω - coax
Minimum aerial input VHF	: 30 μ V
Minimum aerial input UHF	: 40 μ V
Maximum aerial input	: 180 mV
Pull-in range colour sync	: \pm 300 Hz
Pull-in range horizontal sync	: \pm 600 Hz
Pull-in range vertical sync	: \pm 5 Hz
Picture tube range	: 14", 15", 17" and 21"

Euroconnector:

- 
- 1 - Audio \rightarrow R (0,5V RMS \leq 1k Ω)
 - 2 - Audio \rightarrow R (0,2 - 2V RMS \geq 10k Ω)
 - 3 - Audio \rightarrow L (0,5V RMS \leq 1k Ω)
 - 4 - Audio \downarrow
 - 5 - Blue \downarrow
 - 6 - Audio \rightarrow L (0,2 - 2V RMS \geq 10k Ω)
 - 7 - Blue (0,7V_{pp}/75 Ω)
 - 8 - CVBS-status 1 \rightarrow (0-2V int.)(10-12V ext.)
 - 9 - Green \downarrow
 - 10 - -
 - 11 - Green (0,7V_{pp}/75 Ω)
 - 12 - -
 - 13 - Red \downarrow
 - 14 - -
 - 15 - Red (0,7V_{pp}/75 Ω)
 - 16 - RGB-status (0-0,4V int.)(1-3V ext. 75 Ω)
 - 17 - CVBS \downarrow
 - 18 - CVBS \downarrow
 - 19 - CVBS \rightarrow (1V_{pp}/75 Ω)
 - 20 - CVBS \rightarrow (1V_{pp}/75 Ω)
 - 21 - Earthscreen

CINCH:

- \odot CINCH Audio \rightarrow (0,2V_{eff} - 2 V_{eff} \geq 10k Ω)
- \odot CINCH CVBS \rightarrow (1V_{pp}/75 Ω)

Head phone:8 - 600 Ω /15mW**8 local controls version:****3 local controls version:**

1. Servicing position

To facilitate troubleshooting and repairing the set, the chassis can, after disconnection of the degaussing coil, be pulled out of the cabinet, turned 180°, and placed behind it (see Fig. 5).

2. Flat square picture tube fixation.

Demounting the picture tube:

Loosen the nuts by turning them with a box spanner hexagon (10 mm) **clockwise**, (see Fig. 6).

Mounting the picture tube:

Turn the spindles **counterclockwise** into the mask with a box spanner hexagon (4 mm).

Locate the picture tube in the mask. The easiest way is placing the cabinet with the front facing down.

Position the picture tube in the middle of the mask.

Turn the spindles **clockwise** until the nut can be fixed onto the spindle.

Turn the nut **counterclockwise** finger-tight against the picture tube fixation.

Turn the spindle **clockwise** until the whole has been fixed tightly (the nut must not turn any more).

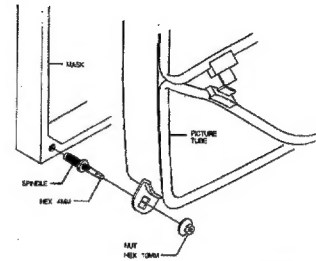


Fig. 6

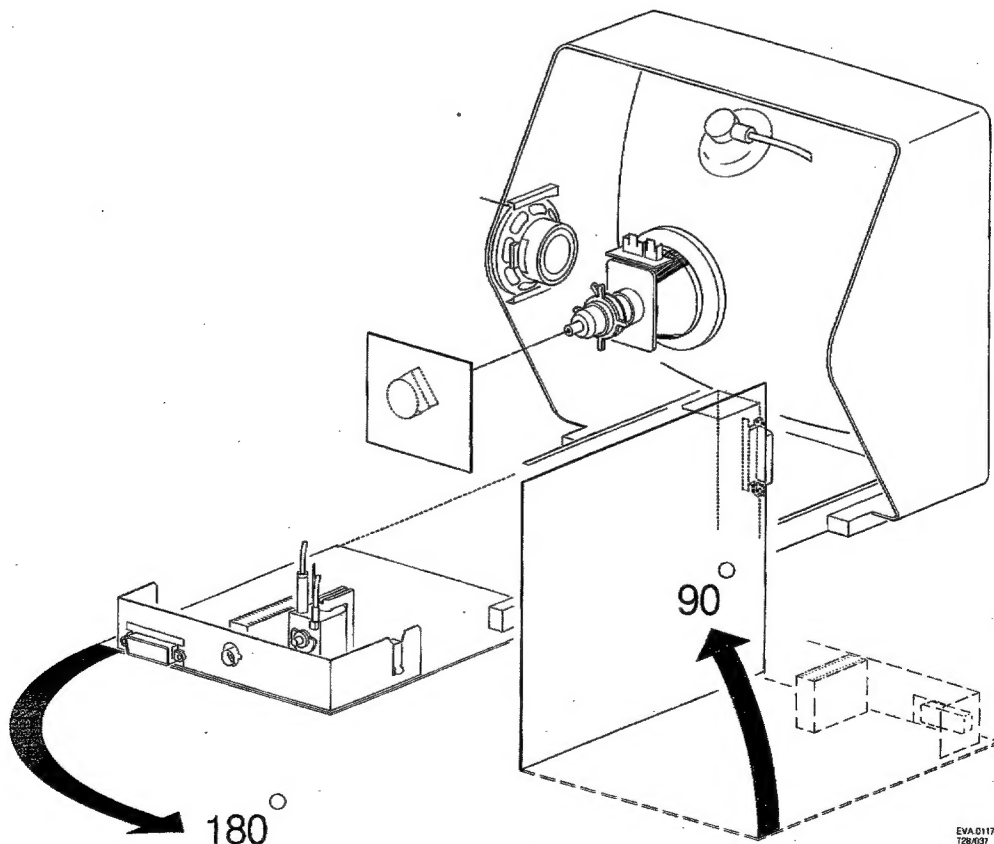
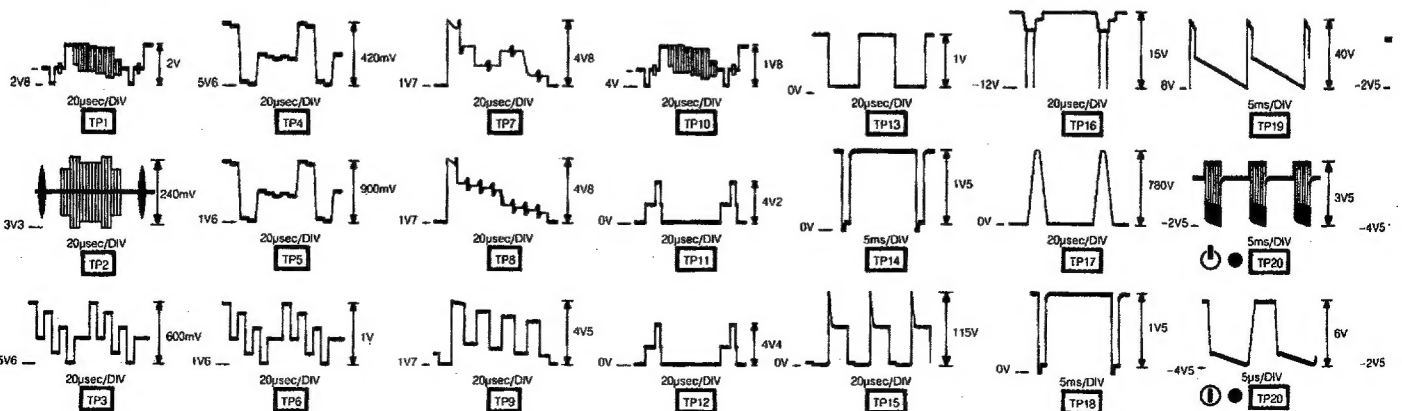
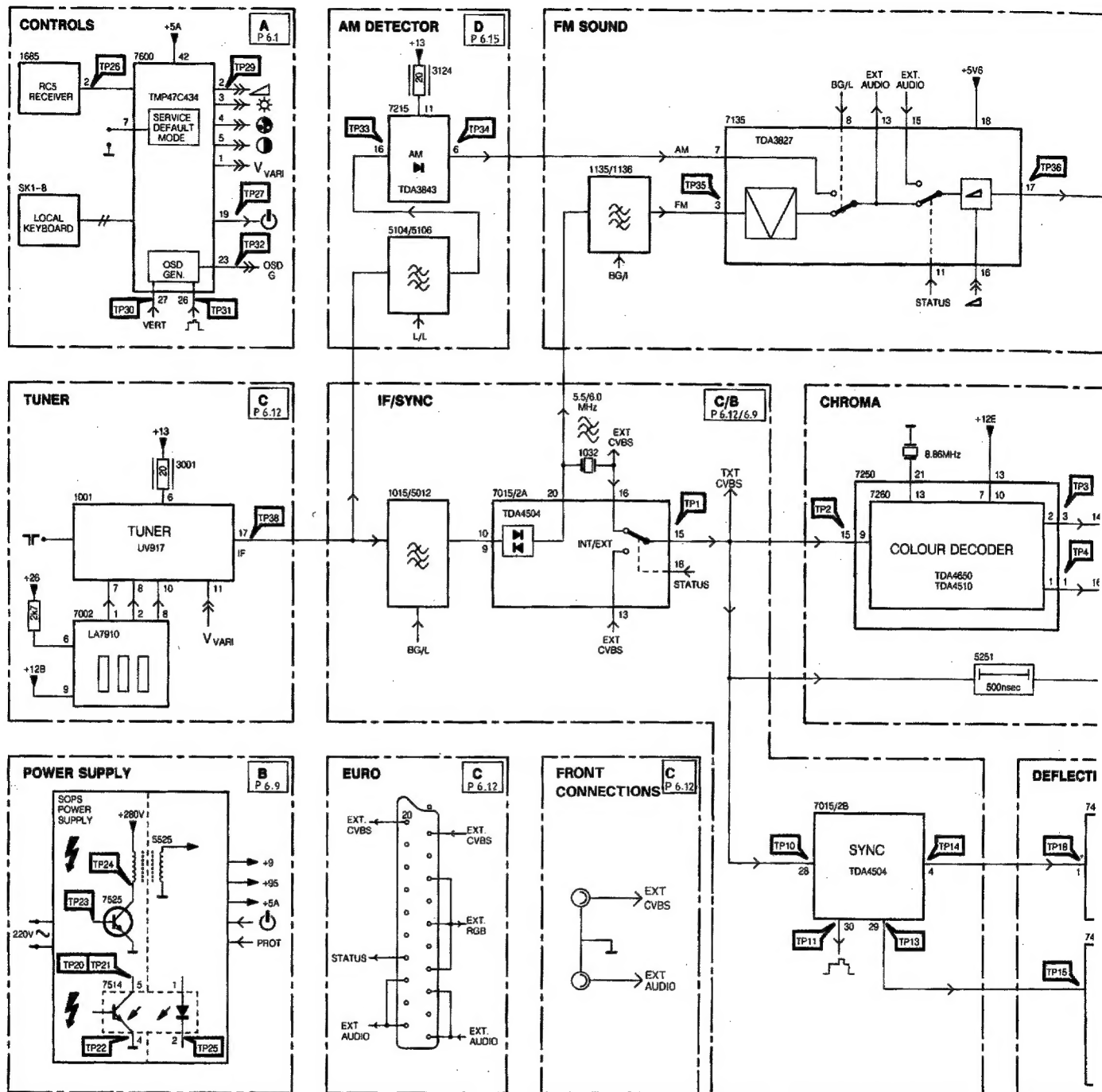
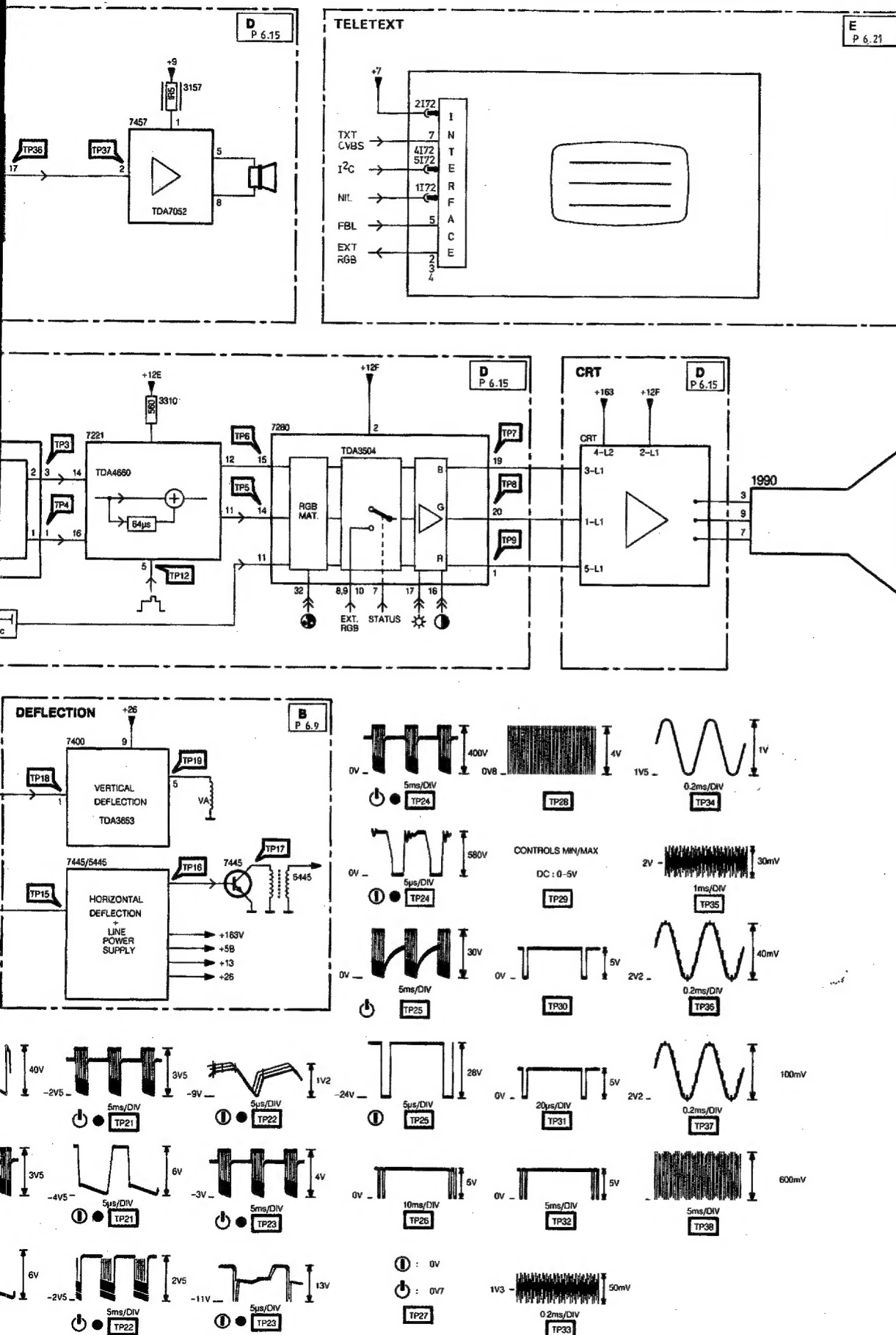
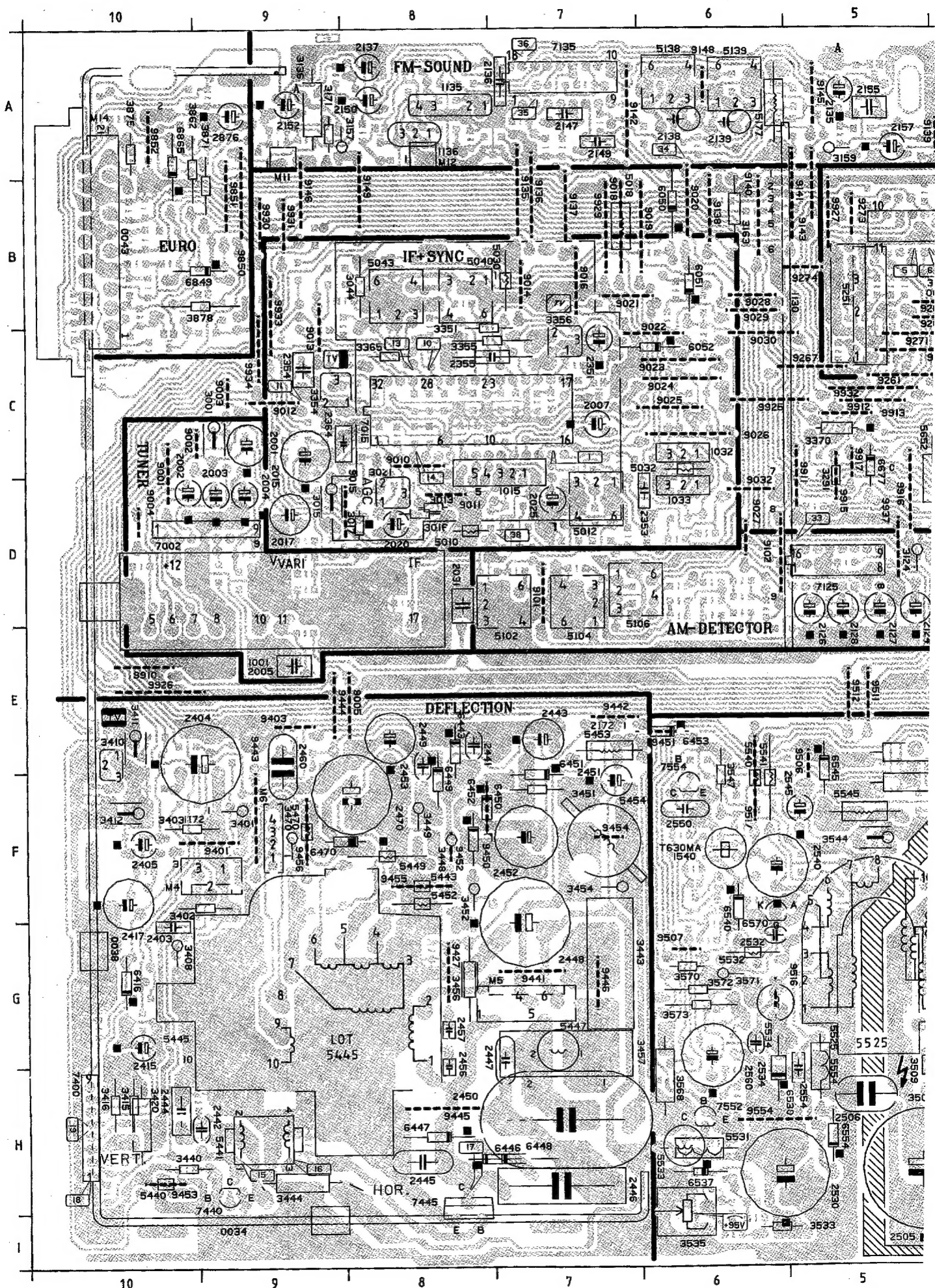
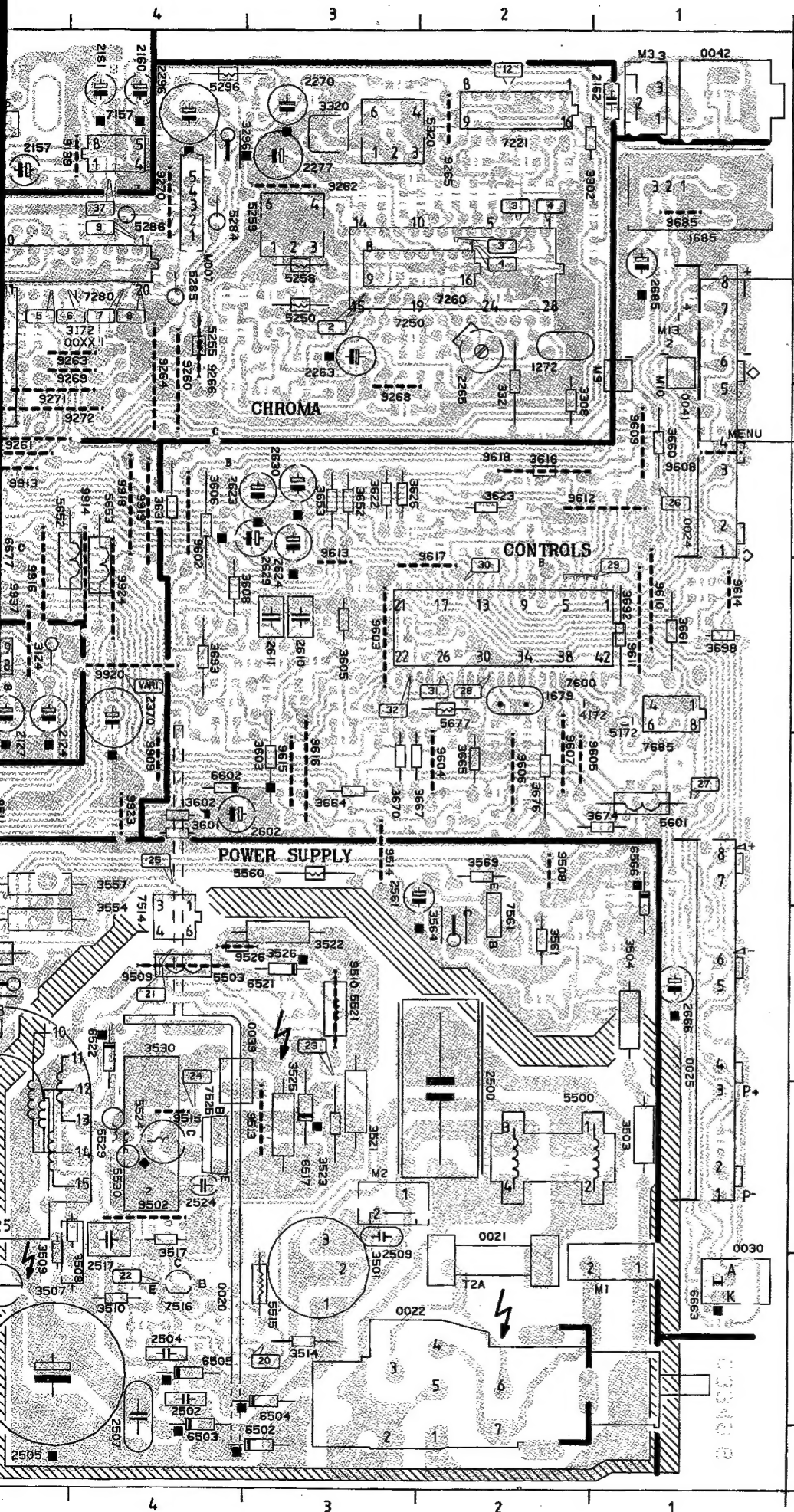


Fig. 5

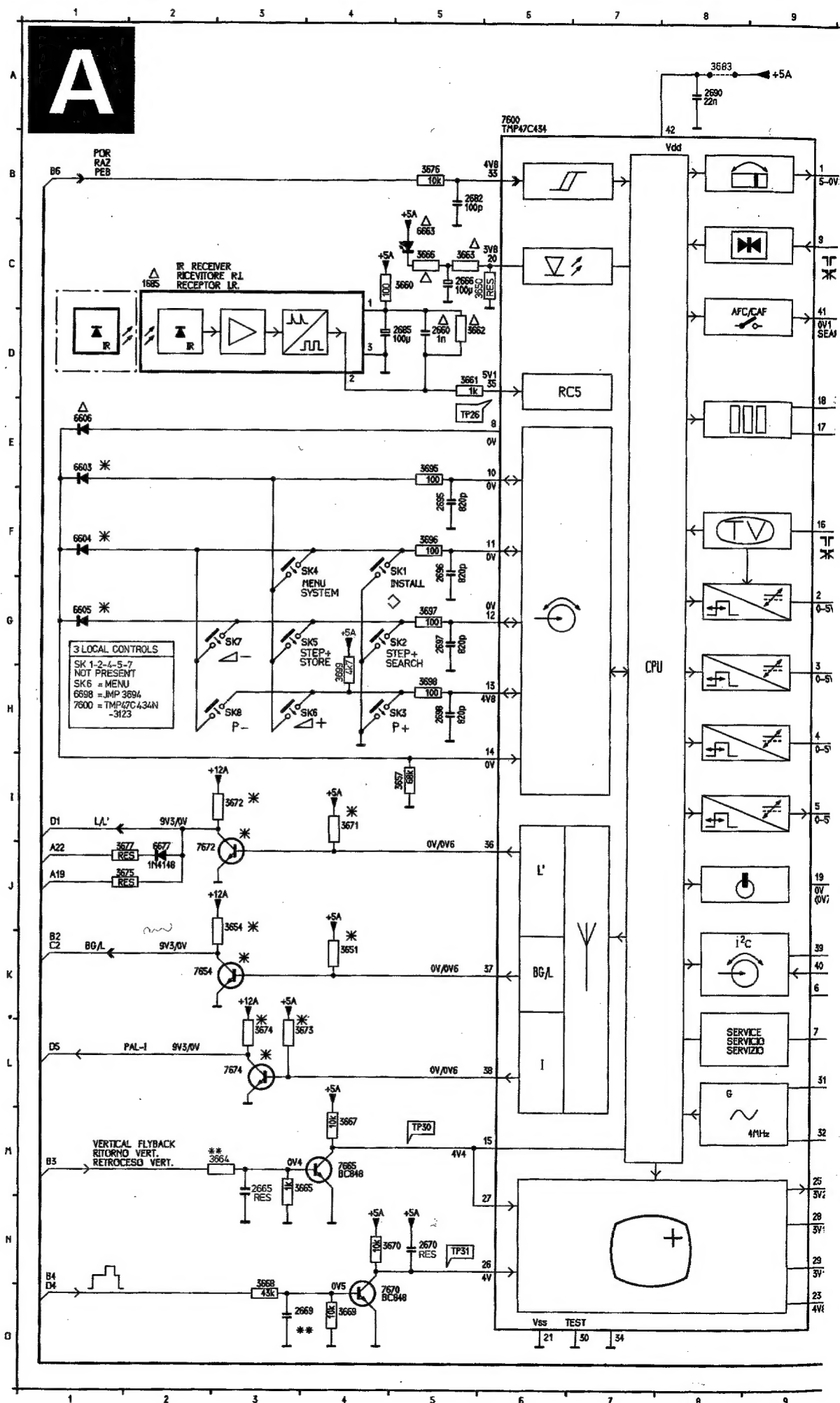




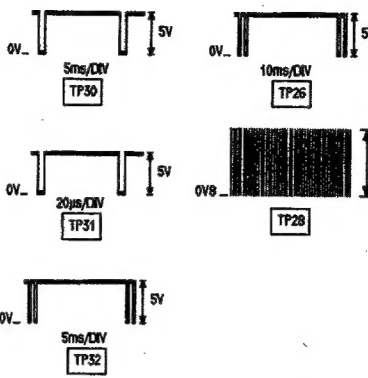
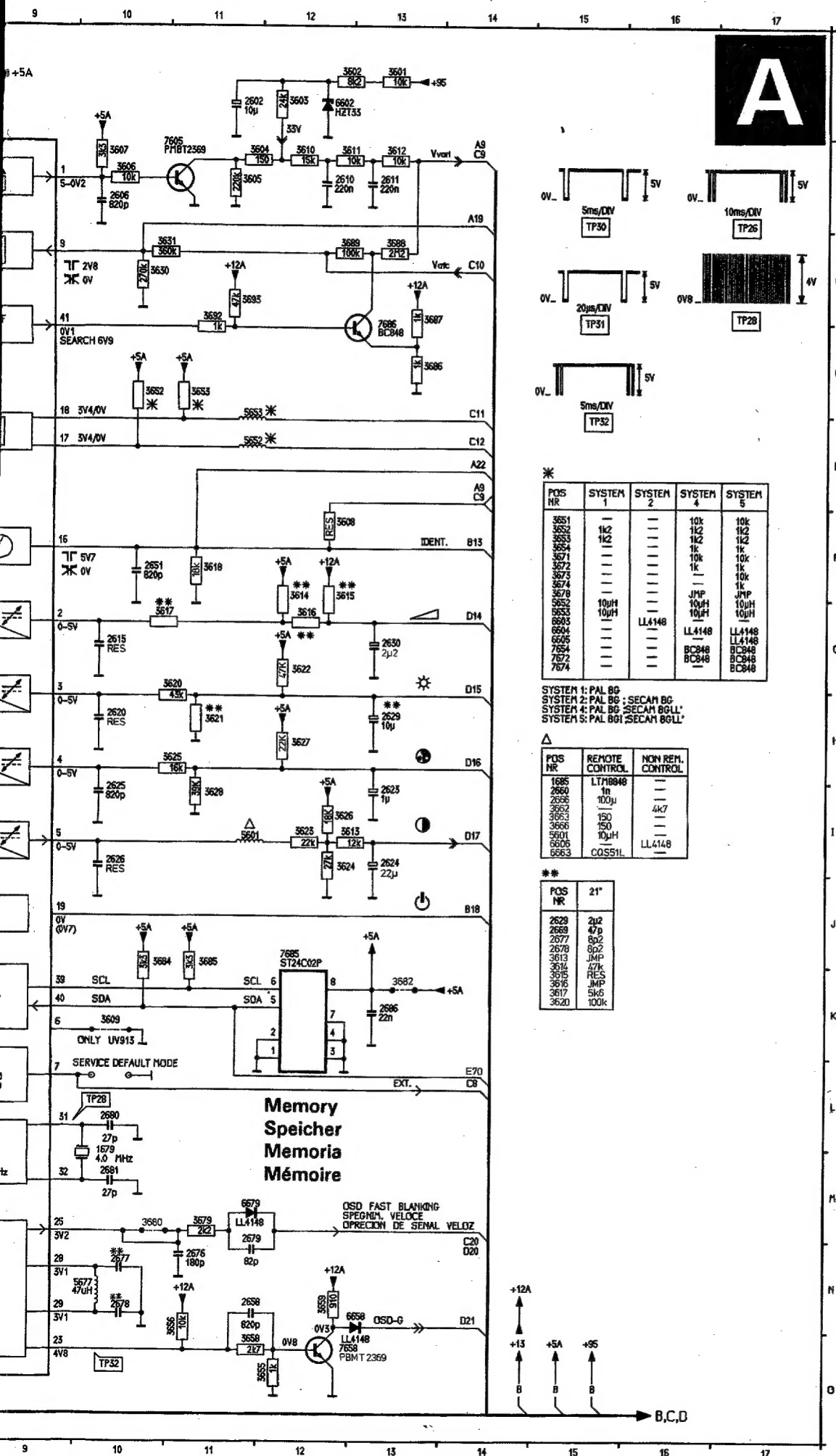




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0025 G1	3017 D8	5104 D7	9014 B7	9917 C5
0041 C1	3021 D8	5106 D7	9015 D8	9918 C4
0042 A1	3044 B8	5138 A6	9016 B7	9919 C4
0043 C10	3124 D5	5139 A6	9018 B7	9920 D4
1001 D10	3136 A9	5177 A6	9019 B6	9923 E4
1015 C7	3157 A8	5250 B3	9020 B6	9924 D4
1032 C6	3159 A5	5251 C5	9021 B7	9925 C6
1033 D6	3163 B6	5255 B4	9022 C6	9926 E10
1135 A8	3171 A9	5258 B3	9023 C6	9927 B5
1136 A8	3291 D5	5259 B3	9024 C6	9929 B7
1272 B2	3296 A4	5284 B4	9025 C6	9930 B9
1540 F6	3302 A2	5285 B4	9026 C6	9931 B9
1679 D2	3308 C2	5286 B4	9027 D6	9932 C5
1685 A1	3320 A3	5296 A4	9028 B6	9933 B9
2001 C9	3321 C2	5320 A3	9029 B6	9934 C9
2002 D10	3351 C8	5440 H10	9030 C6	9937 D5
2003 D9	3354 C8	5441 H9	9032 D6	M1 H1
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2005 E9	3356 C7	5445 G9	9102 D6	M3 A1
2007 C7	3365 C8	5447 G7	9135 B7	M4 F9
2015 C9	3370 C5	5449 F8	9136 B7	M5 G8
2017 D9	3401 F9	5452 F8	9137 B7	M6 F9
2020 D8	3402 F9	5453 E7	9138 B6	M7 A4
2025 D7	3403 F10	5454 F7	9139 A4	M9 B1
2031 D8	3408 G10	5470 F9	9140 B8	M10 B1
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2126 D5	3411 E10	5503 F4	9142 A7	M12 A8
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2137 A8	3420 H10	5525 G5	9148 A6	TP2 B3
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2139 A6	3443 G7	5530 G4	9260 B4	TP4 B2
2147 A7	3444 H9	5531 H6	9261 C5	TP5 B5
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2161 A4	3457 G7	5554 H5	9268 C3	TP12 A2
2162 A1	3470 F9	5560 E3	9269 B4	TP13 C8
2263 B3	3501 H3	5601 E1	9270 A4	TP14 C8
2265 B2	3503 G1	5652 D5	9271 C5	TP15 H9
2270 A3	3504 F1	5653 D4	9272 C5	TP16 H8
2277 A3	3507 H4	5677 D2	9273 B5	TP17 H9
2296 A4	3508 G4	6050 B6	9274 B5	TP18 H10
2351 C7	3509 H5	6051 B6	9401 F9	TP19 H10
2353 D6	3510 H4	6052 C6	9403 E9	TP20 H3
2354 C9	3514 H3	6416 G10	9427 G8	TP21 F4
2355 C7	3517 G4	6443 E8	9441 G7	TP22 H4
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2417 F10	3533 I6	6452 F8	9451 E8	TP29 D2
2441 E8	3535 I6	6453 E6	9452 F8	TP30 D2
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2524 G4	3653 C3	7157 A4	9607 E2	
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2602 E4	3693 D4	7552 H6	9617 D2	
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2623 C3	3871 B9	7600 D1	9680 B9	
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2629 C3	3878 B9	9001 C10	9682 A10	
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2685 B1	5018 B7	9004 D10	9911 D5	
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6.2 ANUBIS A



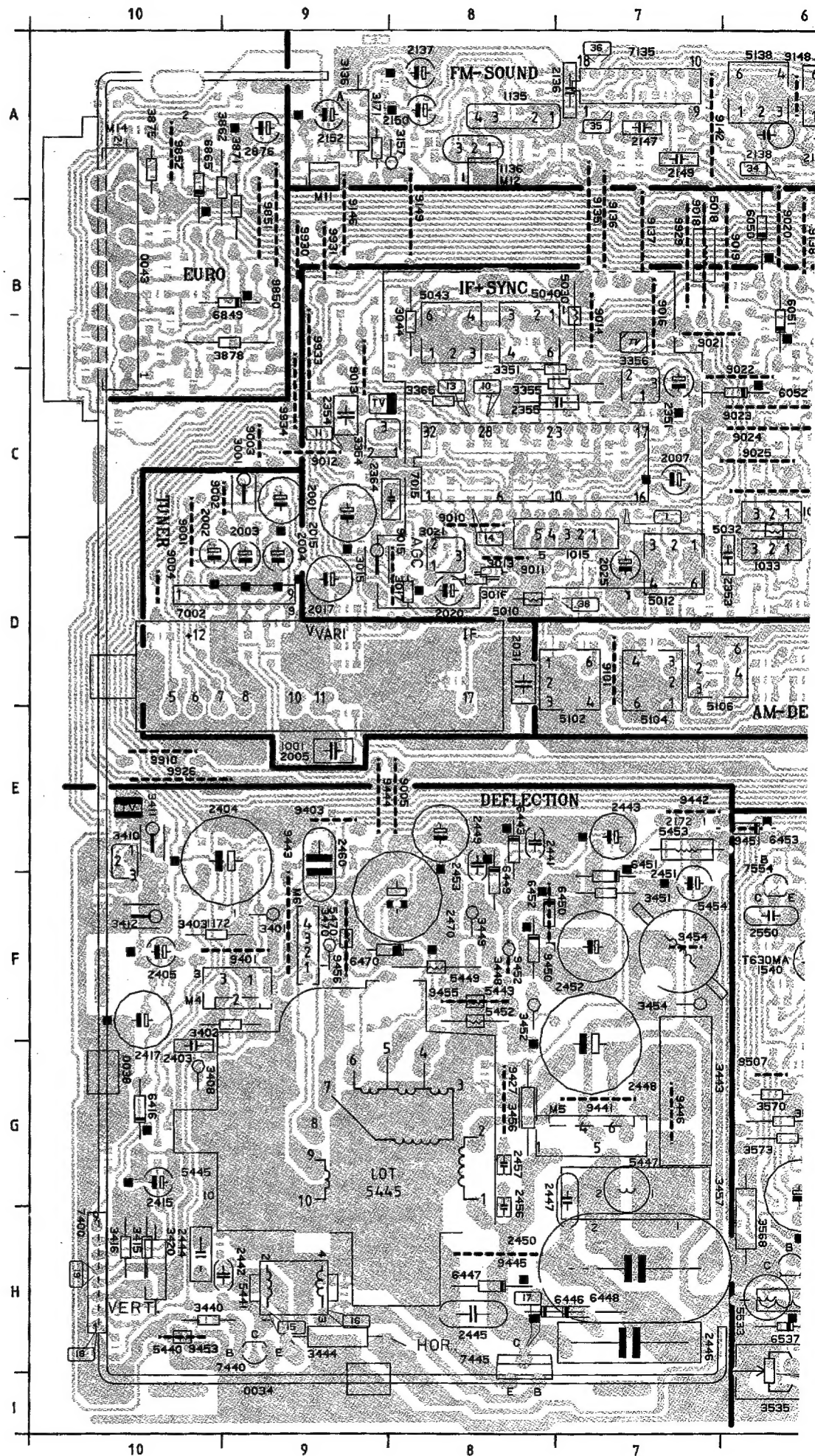
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3652	1k2	---	1k2	1k2
3653	1k2	---	1k2	1k2
3654	---	---	1k	1k
3655	---	---	10k	10k
3656	---	---	1k	1k
3657	---	---	---	10k
3658	---	---	JMP	JMP
3659	10μH	---	10μH	10μH
3660	10μH	---	10μH	10μH
3661	---	LL4148	---	---
3662	---	---	LL4148	LL4148
3663	---	---	BC848	BC848
3664	---	---	BC848	BC848
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3668	---	---	---	---

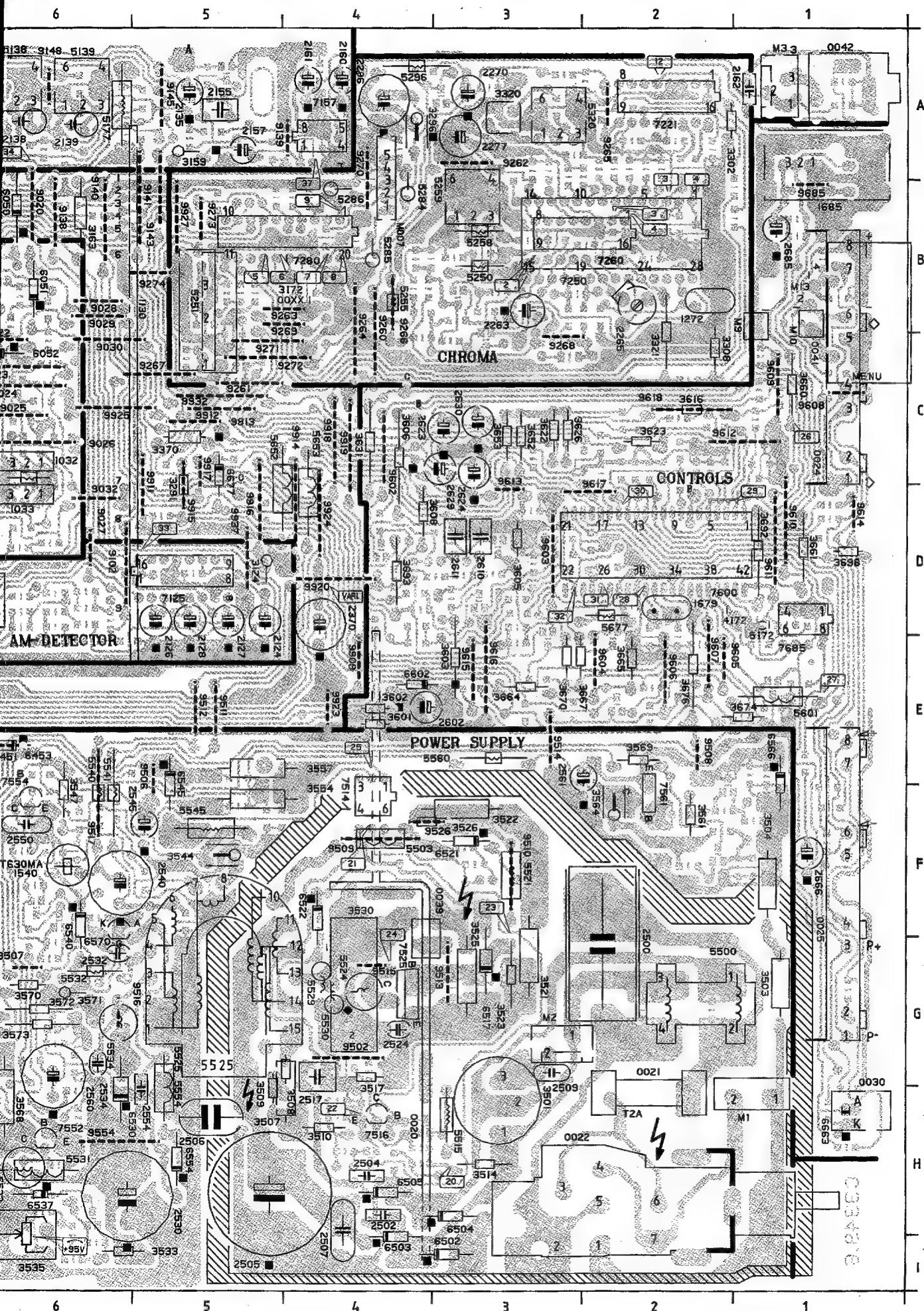
SYSTEM 1: PAL BG
SYSTEM 2: PAL BG ; SECAM BG
SYSTEM 4: PAL BG ; SECAM BGLL
SYSTEM 5: PAL BG ; SECAM BGLL

POS NR	REMOTE CONTROL	NON REM. CONTROL
1685	LTH8948	---
2660	1n	---
2661	100μ	---
2662	---	4k7
2663	150	---
2664	150	---
2665	10μH	---
2666	---	LL4148
2667	---	---
2668	---	---

POS NR	21"
2629	2μ2
2630	47p
2631	8p2
2632	8p2
2633	JMP
2634	47k
2635	RES
2636	JMP
2637	5k6
2638	100k

- SK1 F4 3688 C13
- SK2 G4 3689 C12
- SK3 H4 3690 C5
- SK4 F3 3692 C11
- SK5 G3 3693 C11
- SK6 H3 3695 E5
- SK7 G3 3696 F5
- SK8 H3 3697 G5
- 1679 M10 3698 H5
- 1685 C2 3699 H4
- 2602 A11 4MHz M9
- 2606 B10 5601 I11
- 2610 B12 5652 E11
- 2611 B13 5653 E11
- 2615 G10 5677 N10
- 2620 H10 6602 A12
- 2623 I13 6603 E1
- 2624 I13 6604 F1
- 2625 I10 6605 G1
- 2626 I10 6606 E1
- 2629 H13 6658 N13
- 2630 G13 6663 C5
- 2651 F10 6677 J2
- 2658 N11 6679 M11
- 2660 D5 7600 A6
- 2665 N3 7605 B10
- 2666 C5 7654 K2
- 2669 O3 7658 O12
- 2670 N5 7685 M4
- 2676 H11 7670 O4
- 2677 N10 7672 J3
- 2678 N10 7674 J12
- 2679 N11 7685 J12
- 2680 L10 7686 D13
- 2681 M10
- 2682 B5
- 2685 D4
- 2686 K13
- 2690 A8
- 2695 F5
- 2696 F5
- 2697 G5
- 2698 H5
- 3601 A13
- 3602 A12
- 3603 A12
- 3604 B11
- 3605 B11
- 3606 B10
- 3607 B10
- 3608 F12
- 3609 K10
- 3610 B12
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- 3612 B13
- 3613 I13
- 3614 F12
- 3615 F12
- 3616 G12
- 3617 G10
- 3618 F11
- 3620 G11
- 3621 H11
- 3622 G12
- 3623 I12
- 3624 I12
- 3625 H11
- 3626 I12
- 3627 H12
- 3628 I11
- 3630 C10
- 3631 C10
- 3651 K4
- 3652 D10
- 3653 D11
- 3654 J3
- 3655 O12
- 3656 N11
- 3657 I5
- 3658 O11
- 3659 N12
- 3660 C5
- 3661 D5
- 3662 D5
- 3663 C5
- 3664 M3
- 3665 M3
- 3666 C5
- 3667 M4
- 3668 O3
- 3669 O4
- 3670 N4
- 3671 I4
- 3672 I3
- 3673 L3
- 3674 L3
- 3675 L3
- 3676 B5
- 3677 J2
- 3679 M11
- 3680 M10
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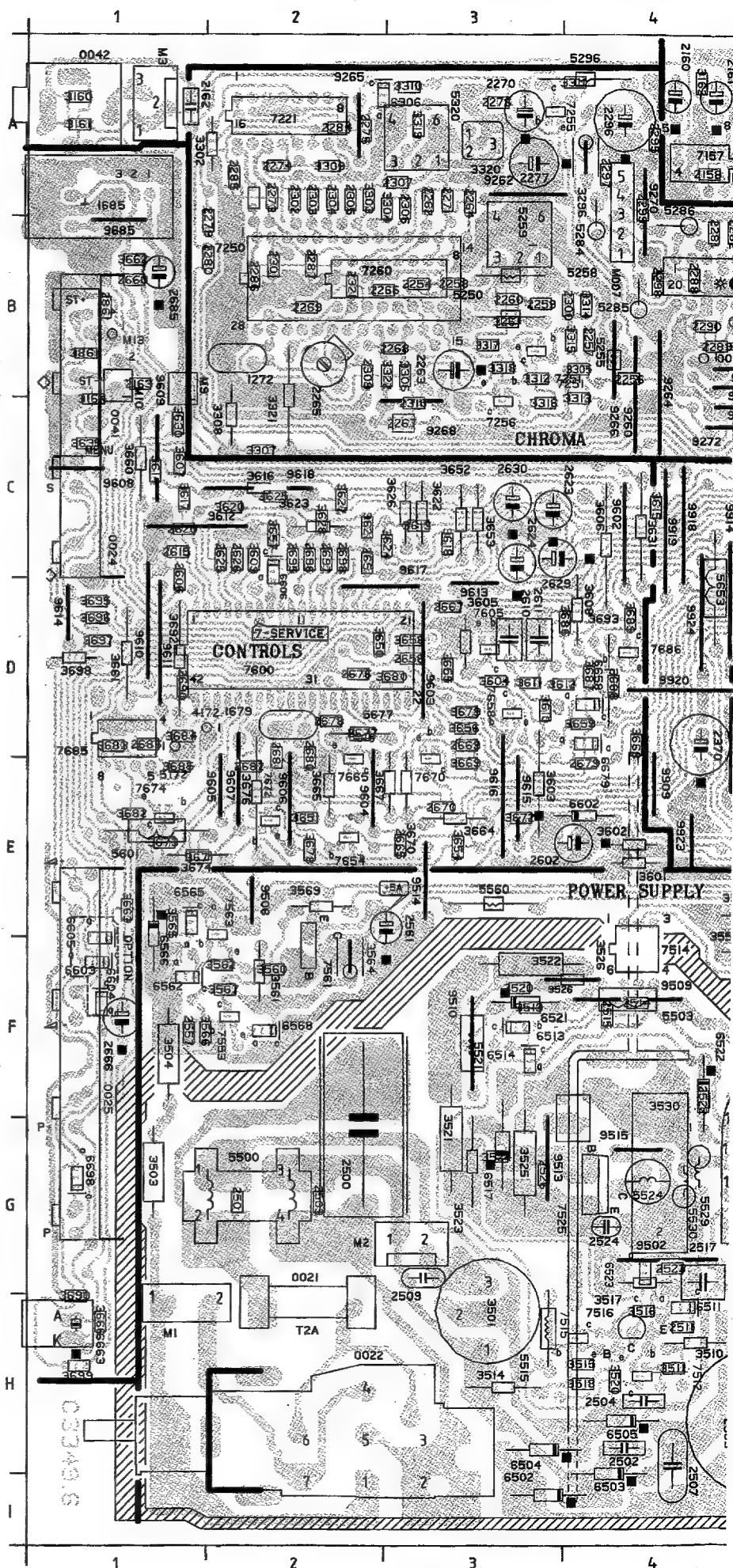


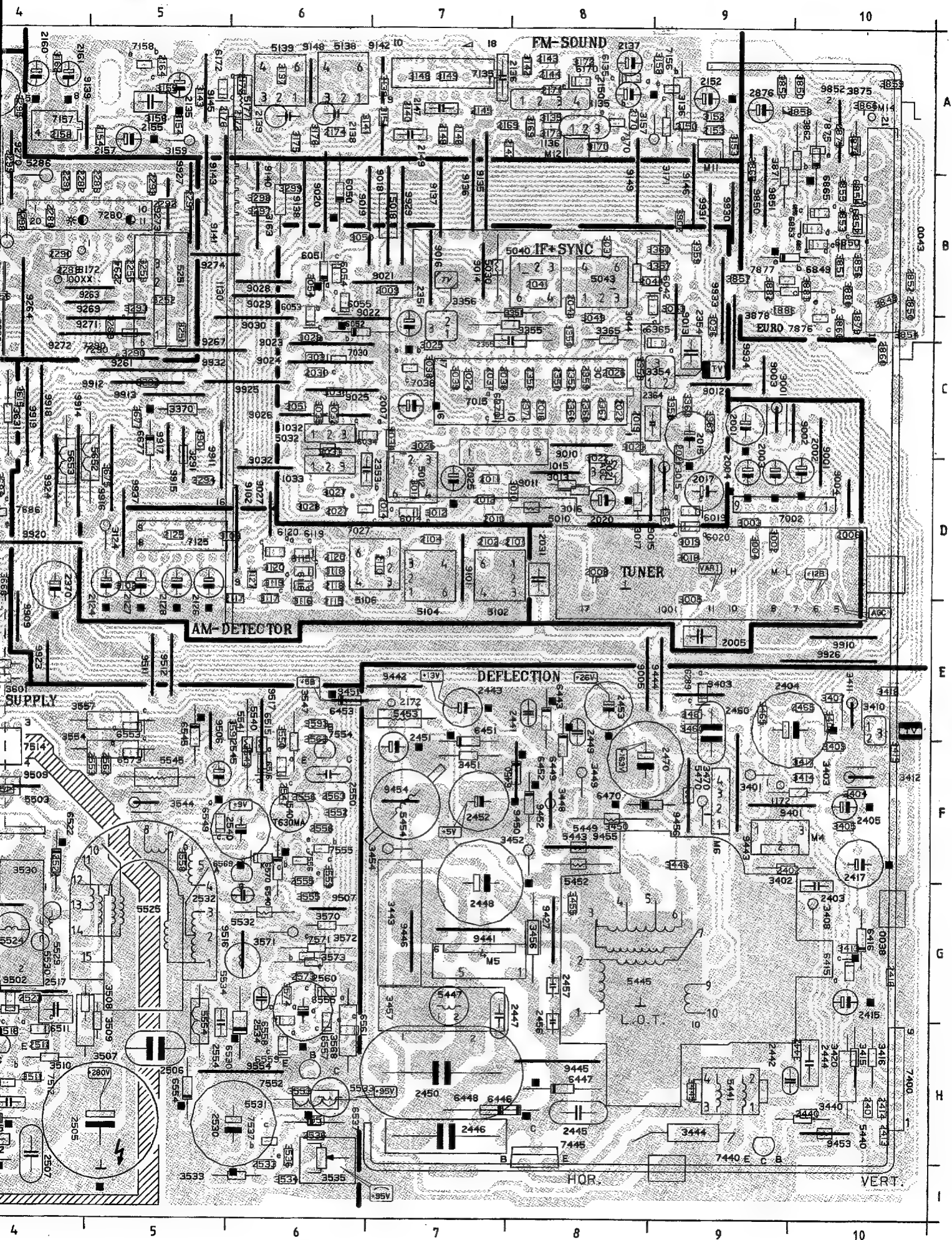
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0025 G1	3017 D8	5104 D7	9014 B7	9917 C5
0041 C1	3021 D8	5106 D7	9015 D8	9918 C4
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1015 C7	3157 A8	5250 B3	9020 B6	9924 D4
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1679 D2	3308 C2	5286 B4	9027 D6	9932 C5
1685 A1	3320 A3	5296 A4	9028 B6	9933 B9
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2002 D10	3351 C8	5440 H10	9030 C6	9937 D5
2003 D9	3354 C8	5441 H9	9032 D6	M1 H1
2004 D9	3355 C7	5443 F8	9101 D7	M2 G3
2005 E9	3356 C7	5445 G9	9102 D6	M3 A1
2007 C7	3355 C8	5447 G7	9135 B7	M4 F9
2015 C9	3370 C5	5449 F8	9136 B7	M5 G8
2017 D9	3401 F9	5452 F8	9137 B7	M6 F9
2020 D8	3402 F9	5453 E7	9138 B6	M7 A4
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2031 D8	3408 G10	5470 F9	9140 B6	M10 B1
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2137 A8	3420 H10	5525 G5	9149 A6	TP2 B3
2138 A6	3440 H10	5529 G4	9149 B8	TP3 B2
2139 A6	3443 G7	5530 G4	9260 B4	TP4 B2
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2296 A4	3508 G4	6050 B6	9274 B5	TP18 H10
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2353 D6	3510 H4	6052 C6	9403 E9	TP20 H3
2354 C9	3514 H3	6416 G10	9427 G8	TP21 F4
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2364 C8	3521 G3	6446 H8	9442 E7	TP23 F3
2370 D4	3522 F3	6447 H8	9443 F9	TP24 G4
2403 G10	3523 G3	6448 H7	9444 E9	TP25 E4
2404 E9	3525 G3	6449 F8	9445 H8	TP26 C1
2405 F10	3526 F4	6450 F8	9446 G7	TP27 E1
2415 G10	3530 G4	6451 F7	9450 F8	TP28 D2
2417 F10	3533 I6	6452 F8	9451 E6	TP29 D2
2441 E8	3535 I6	6453 E8	9452 F8	TP30 D2
2442 H9	3544 F5	6470 F8	9453 H10	TP31 D2
2443 E7	3547 F6	6502 I8	9454 F7	TP32 D3
2444 H10	3554 F5	6503 I4	9455 F8	TP34 A6
2445 H8	3557 E5	6504 H3	9456 F9	TP35 A7
2446 H7	3561 F2	6505 H4	9502 G4	TP36 A7
2447 G7	3564 F2	6517 G3	9506 E5	TP37 B4
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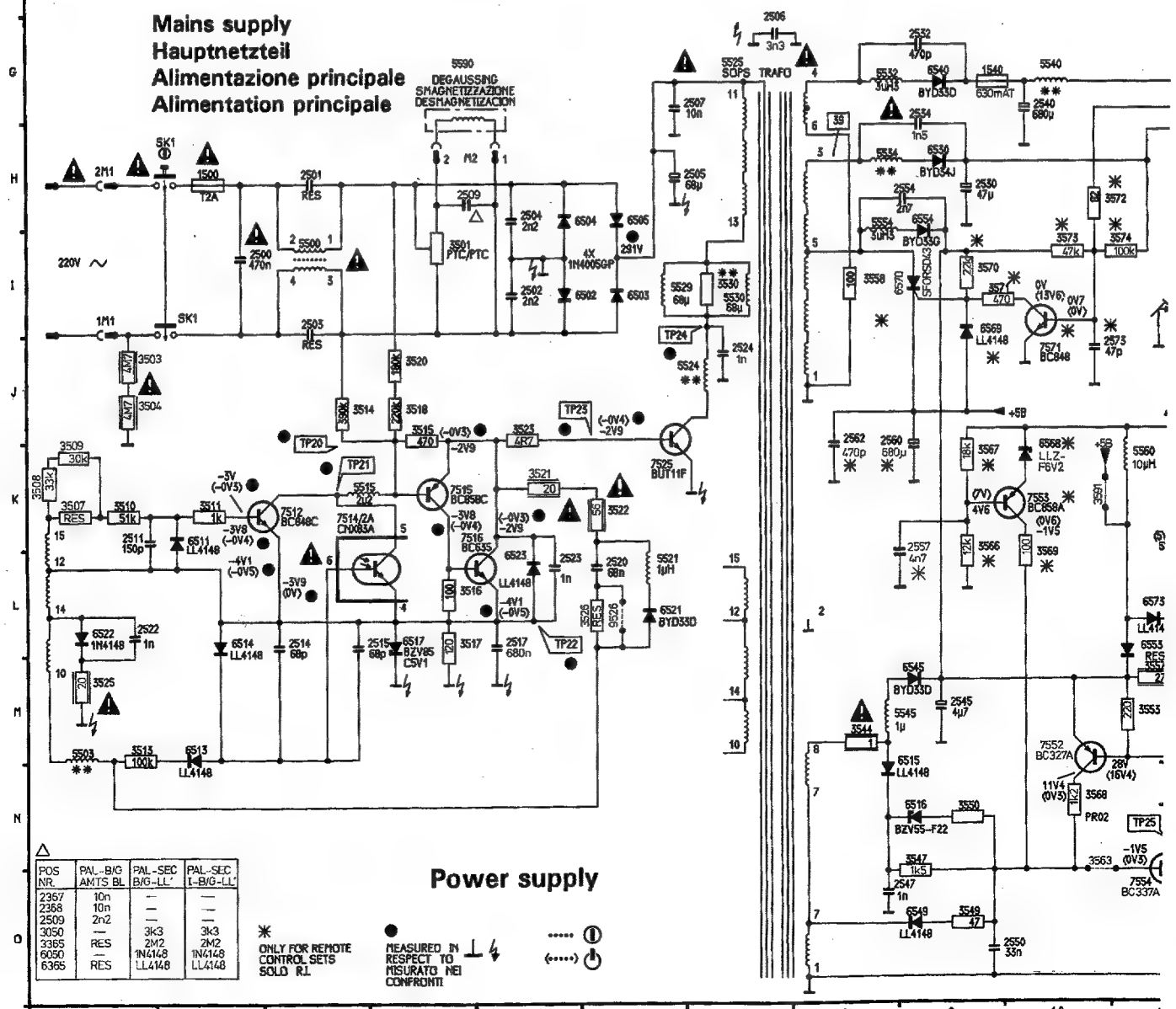
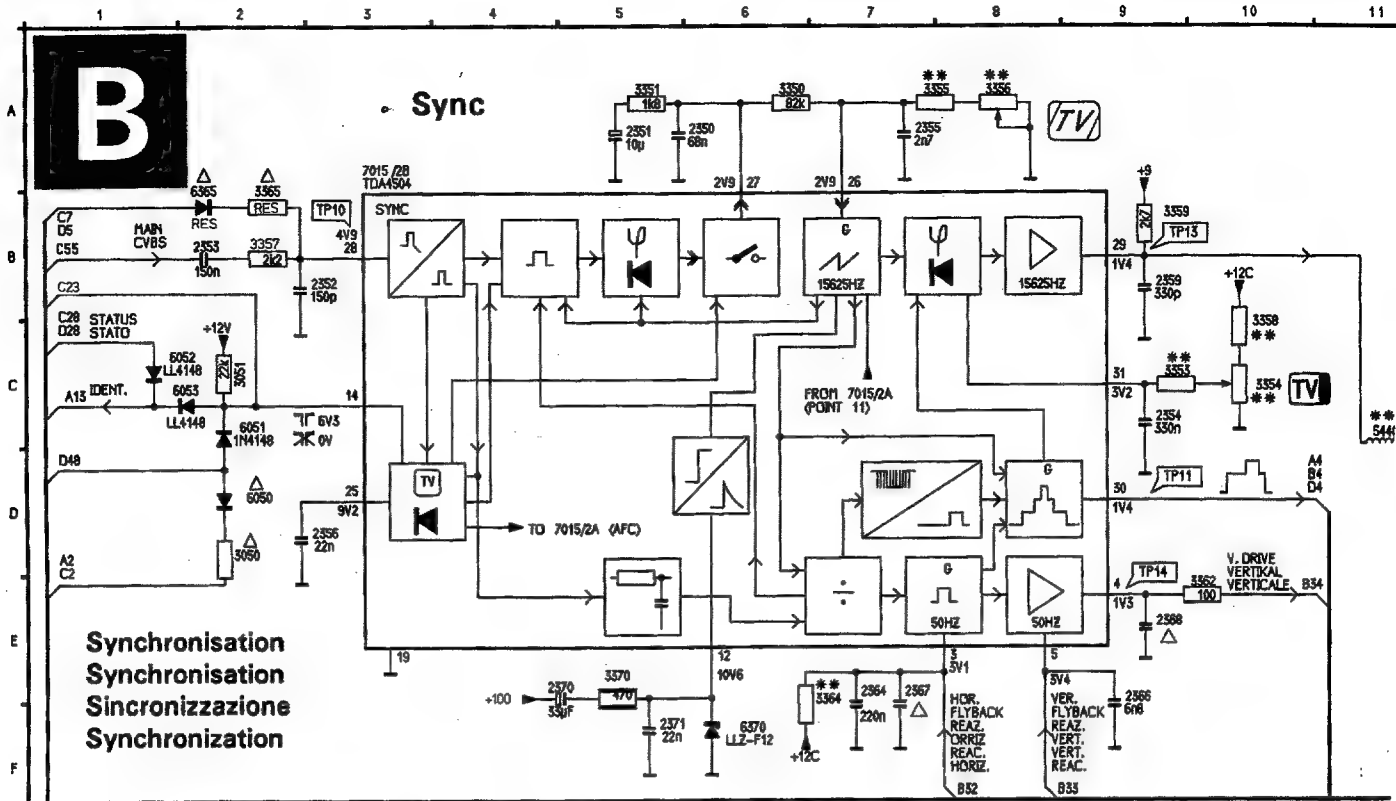
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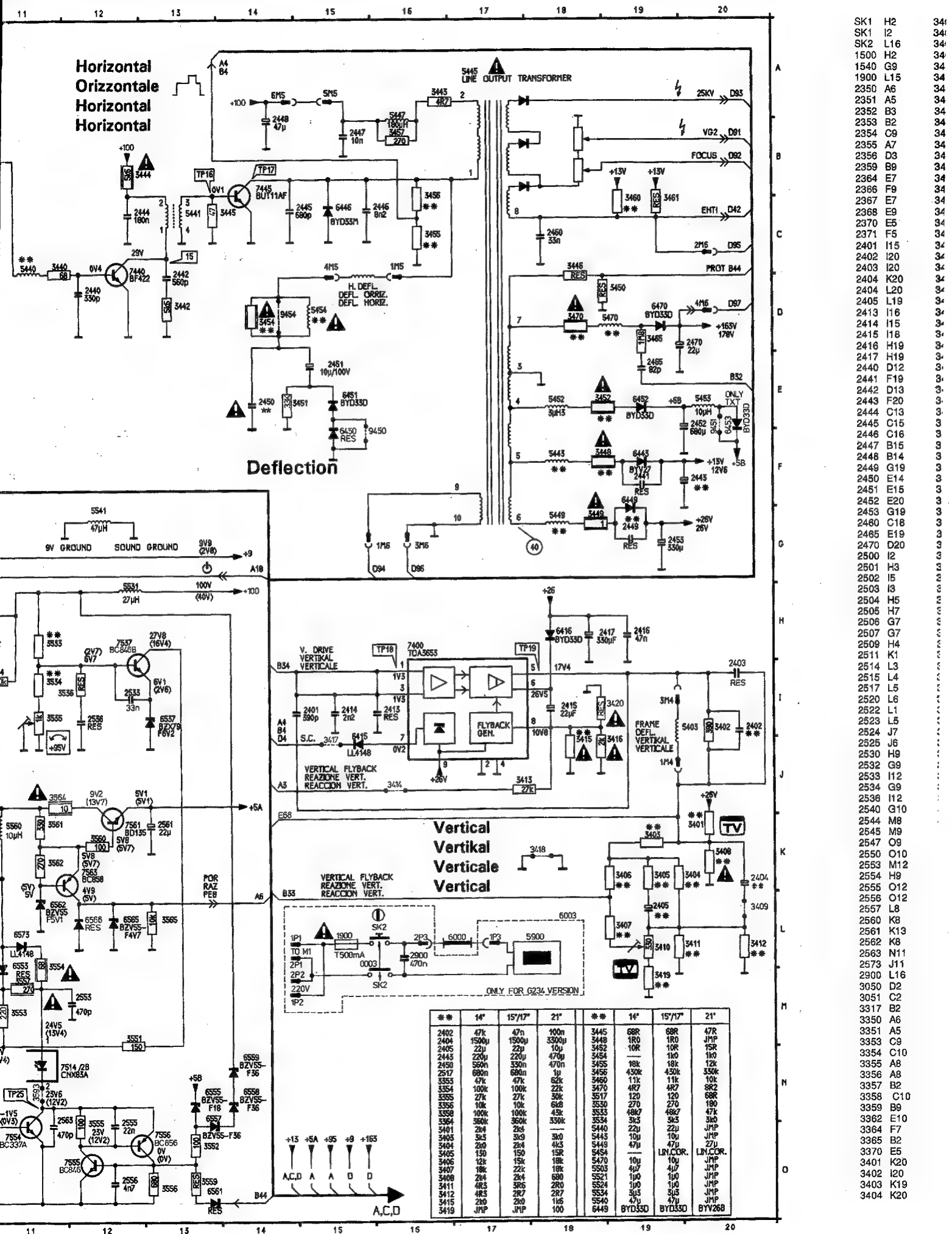
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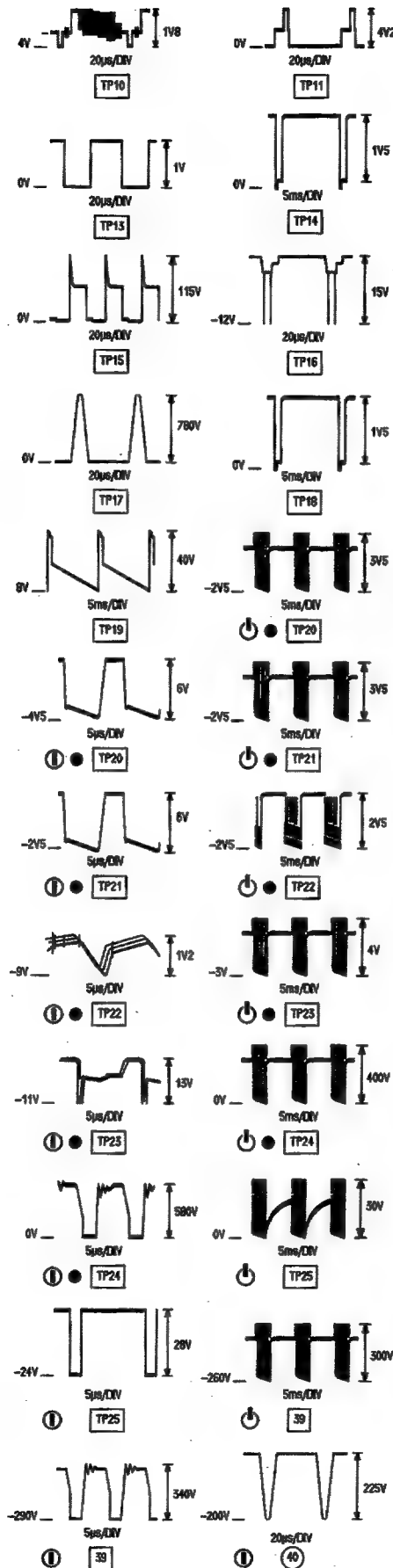








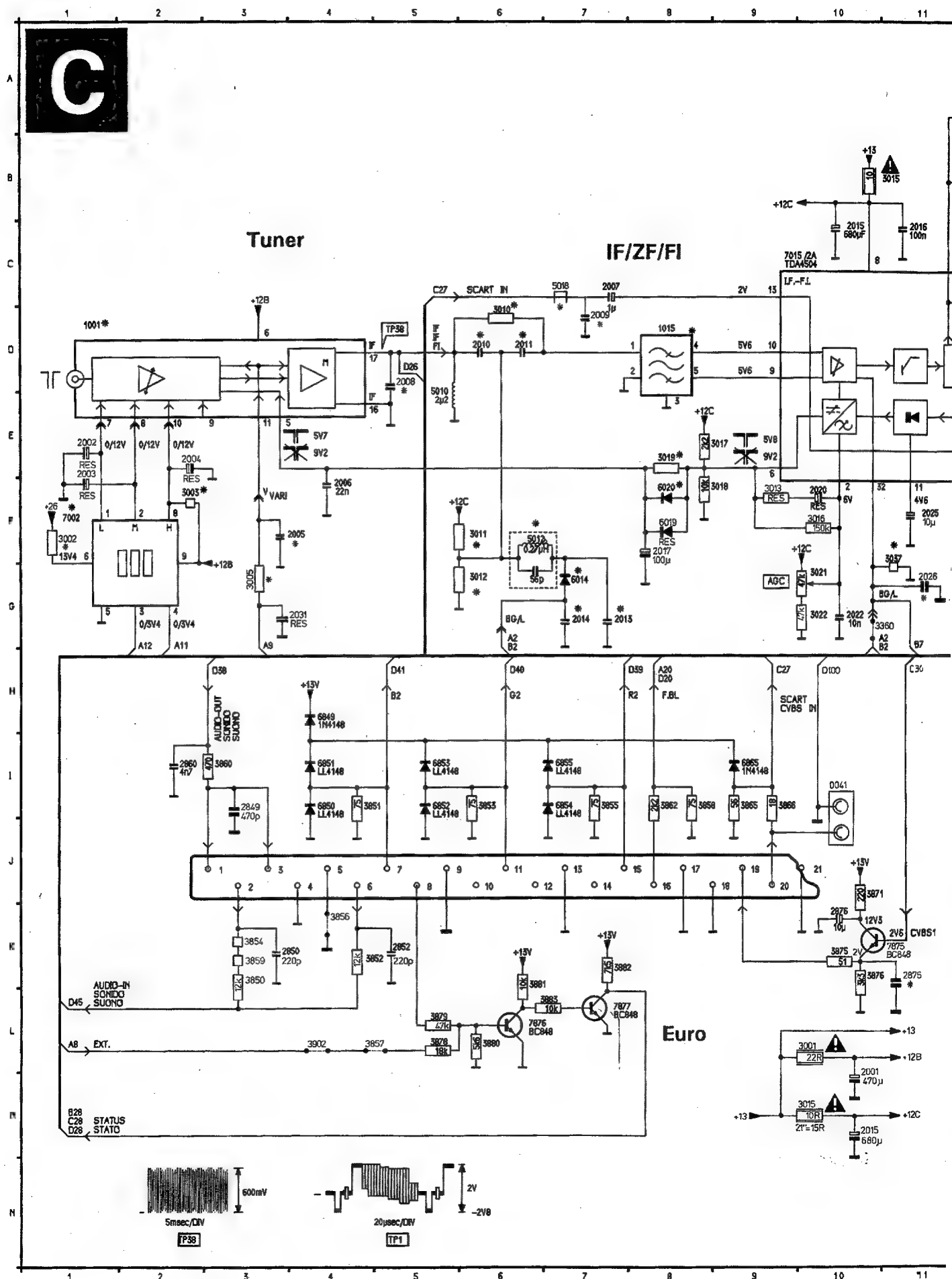
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3051 C2	3574 I11	
3317 B2	3591 K10	
3350 A6	3593 N11	
3351 A5	5403 I20	
3353 C9	5440 C11	
3354 C10	5441 C13	
3355 A8	5443 F18	
3356 A8	5445 A17	
3357 B2	5447 A16	
3358 C10	5449 G18	
3359 B9	5452 E18	
3362 E10	5453 E20	
3364 F7	5454 D15	
3365 B2	5470 D19	
3370 E5	5500 I3	
3401 K20	5503 M1	
3402 I20	5515 K3	
3403 K19	5519 J5	
3404 K20	5521 L6	

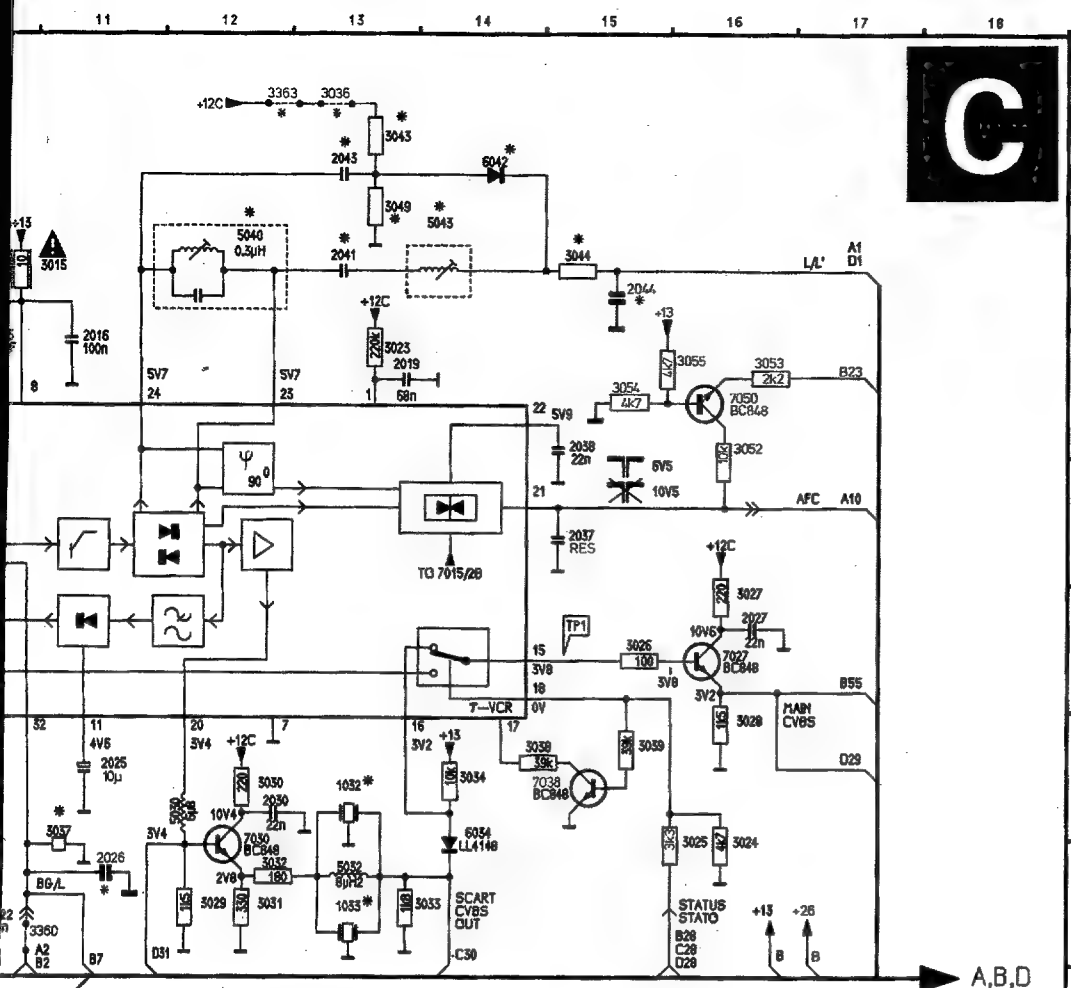


SOPS REPAIR KIT

SBC 7021
4822 310 20491

1500	6517
6502	6523
6503	7512
6504	7514
6505	7515
6511	7516
6513	7525
6514	

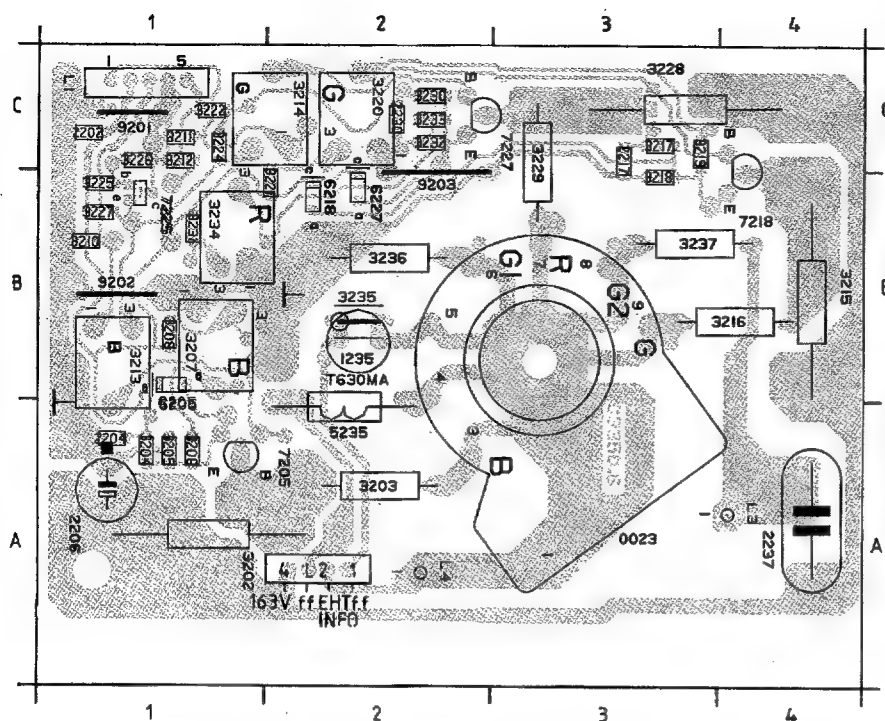




Source selection video
Bildquellenwahl
Selezione sorgenti dell' immagine
Sélection source image

XXX	PAL-B/G	PAL-B/G AMTSBL	PAL-I	PAL-SEC B/G-DK	PAL-SEC B/G-LL'	PAL-SEC I-B/G-LL'	F.MULTI HYP	PAL-B/G HYP
1001	UV917E	UV917E	U943	UV917E	UV917E	UV917E	UV917E	UV915
1015	OFWG1961M	OFWG1961M	OFWJ1951M	OFWK2950	OFWG3950	OFWG3950	OFWG3950	OFWG1961M
1032	5,5MHz	5,5MHz	6MHz	5,5MHz	5,5MHz	5,5MHz	5,5MHz	5,5MHz
1033	---	---	---	6MHz	6MHz	6MHz	6MHz	---
2005	470n	470n	---	470n	470n	470n	330n	330n
2008	---	5P6	---	---	---	---	---	---
2009	---	220p	---	---	---	---	---	---
2010	---	---	---	---	---	18p	---	---
2011	---	---	---	---	---	18p	---	---
2013	---	---	---	---	---	18p	---	---
2014	---	---	---	---	---	4n7	---	---
2026	---	---	---	---	---	22n	---	---
2041	---	---	---	---	---	4n7	---	---
2043	---	---	---	---	---	4n7	---	---
2044	---	---	---	---	---	4n7	---	---
2875	---	1n	---	---	---	---	---	---
3002	2k7	2k7	---	2k7	---	2k7	---	2k7
3003	---	---	---	---	---	---	---	---
3005	JMP	1K	JMP	JMP	---	JMP	---	JMP
3010	JMP	JMP	JMP	JMP	---	JMP	---	JMP
3011	---	---	---	---	---	---	---	---
3012	---	---	---	---	---	5k6	---	---
3019	180	180	180	180	---	5k6	---	180
3036	---	---	---	---	---	JMP	---	---
3037	JMP	JMP	JMP	JMP	---	---	---	JMP
3043	---	---	---	---	---	10k	---	---
3044	---	---	---	---	---	10k	---	---
3049	---	---	---	---	---	68k	---	---
3363	---	---	---	---	---	JMP	---	---
5012	---	YES	---	---	---	0,28uH	---	---
5018	---	---	---	---	---	---	---	---
5040	0,19uH	0,19uH	0,19uH	0,19uH	---	0,30uH	---	0,19uH
5043	---	---	---	---	---	0,70uH	---	---
6014	---	---	---	---	---	BA682	---	---
6020	---	---	---	---	---	LLZ-C2V4	---	---
6042	---	---	---	---	---	BA682	---	---
7002	LA7910	LA7910	---	LA7910	---	LA7910	---	LA7910

0041 I10 3883 L7
1001 D1 3902 L4
1015 D8 5010 E5
1032 F13 5012 F6
1033 G13 5018 C7
2001 M10 5030 F12
2001 C3 5032 G13
2002 E1 5040 B12
2003 F1 5043 B14
2004 E2 6014 G7
2005 F4 6019 F8
2006 F4 6020 F8
2007 C7 6034 F14
2008 D5 6042 A14
2009 D7 6849 H4
2010 D6 6850 I4
2011 D6 6851 I4
2012 E6 6852 I5
2013 G7 6853 I5
2014 G7 6854 I7
2015 M10 6855 I7
2015 C10 6865 I9
2016 C11 7002 F1
2017 F8 7015 C9
2018 G8 7027 E16
2019 C13 7030 E16
2020 F10 7038 F15
2022 G10 7039 F15
2025 F11 7050 C16
2026 G11 7875 K11
2027 E16 7876 L6
2030 F12 7877 L7
2031 G5
2037 D15
2038 C15
2041 B13
2043 A13
2044 B15
2850 K30
2852 K5
2860 I2
2876 K10
3001 L10
3001 C3
3002 F1
3002 G1
3003 F2
3005 G3
3010 D6
3011 F6
3012 G6
3013 F10
3013 F9
3015 B11
3015 M10
3016 F9
3016 F10
3017 E9
3018 F9
3019 E8
3021 G10
3022 G10
3023 C13
3024 G16
3025 G16
3026 E15
3027 E16
3028 F16
3029 G12
3030 F12
3031 G12
3032 G12
3033 G13
3034 F14
3036 A13
3037 F11
3038 F14
3039 F15
3043 A13
3044 B15
3049 B13
3052 D16
3053 C16
3054 C15
3055 C15
3360 G10
3363 A12
3850 K3
3851 I4
3852 K5
3853 I6
3855 I7
3856 K4
3857 L4
3858 I8
3860 I3
3862 I8
3865 I9
3866 I9
3871 J10
3875 K10
3876 K10
3878 L5
3879 L5
3880 L6
3881 L6
3882 K7



1235 B2	3205 A1	3216 B4	3227 B1	3237 B3	9202 B1
2202 C1	3206 A1	3217 C3	3228 C3	5235 A2	9203 C2
2204 A1	3207 B1	3218 B3	3229 C3	6205 B1	L1 C1
2206 A1	3208 B1	3219 C3	3230 C2	6218 B2	L2 A2
2217 C3	3210 B1	3220 C2	3231 B1	6227 B2	L3 A4
2230 C2	3211 C1	3221 B2	3232 C2	7205 A1	L4 A2
2237 A4	3212 C1	3222 C1	3233 C2	7218 C4	
3202 A1	3213 A1	3224 C1	3234 B1	7225 B1	
3203 A2	3214 C2	3225 B1	3235 B2	7227 C2	
3204 A1	3215 B4	3226 C1	3236 B2	9201 C1	

△

POS. NR.	SYSTEM BG	PAL-BG AMTSBL	SYSTEM I	SYSTEM BGDK	SYSTEM BGLL'	SYSTEM BGI LL'
1135	SFT5,5MHz	SFT5,5MHz	SFT6,0MHz	SFT5,5MHz	SFT5,5MHz	SFT5,5MHz
1136	---	---	820p	SFT6,5MHz	---	SFT6,0MHz
2138	1n	1n	---	1n	1n	820p
2139	---	---	---	820p	---	---
2144	---	1n2	---	---	---	---
2154	---	10n	---	---	---	---
2170	---	---	---	---	---	10n
2171	---	---	---	JMP	---	4n7
2172	---	---	---	---	---	100
2174	---	---	---	---	---	180p
2175	---	---	---	---	---	1n5
2176	---	---	---	---	---	10n
2288	---	---	---	---	---	---
3137	---	---	---	JMP	---	---
3141	---	---	---	---	3k3	3k3
3170	---	---	---	---	---	47k
3171	---	---	---	---	---	4k7
3172	---	---	---	---	---	4k7
3173	---	---	---	620	---	620
3175	---	---	---	---	---	1k0
5139	---	---	---	0,75uH	---	---
5177	---	---	---	---	---	100uH
5255	JMP	JMP	JMP	JMP	JMP	JMP
6170	---	---	---	JMP	---	BAS82
6172	---	---	---	---	---	BAS82
7170	---	---	---	---	---	BC848
9148	JMP	JMP	JMP	---	JMP	JMP

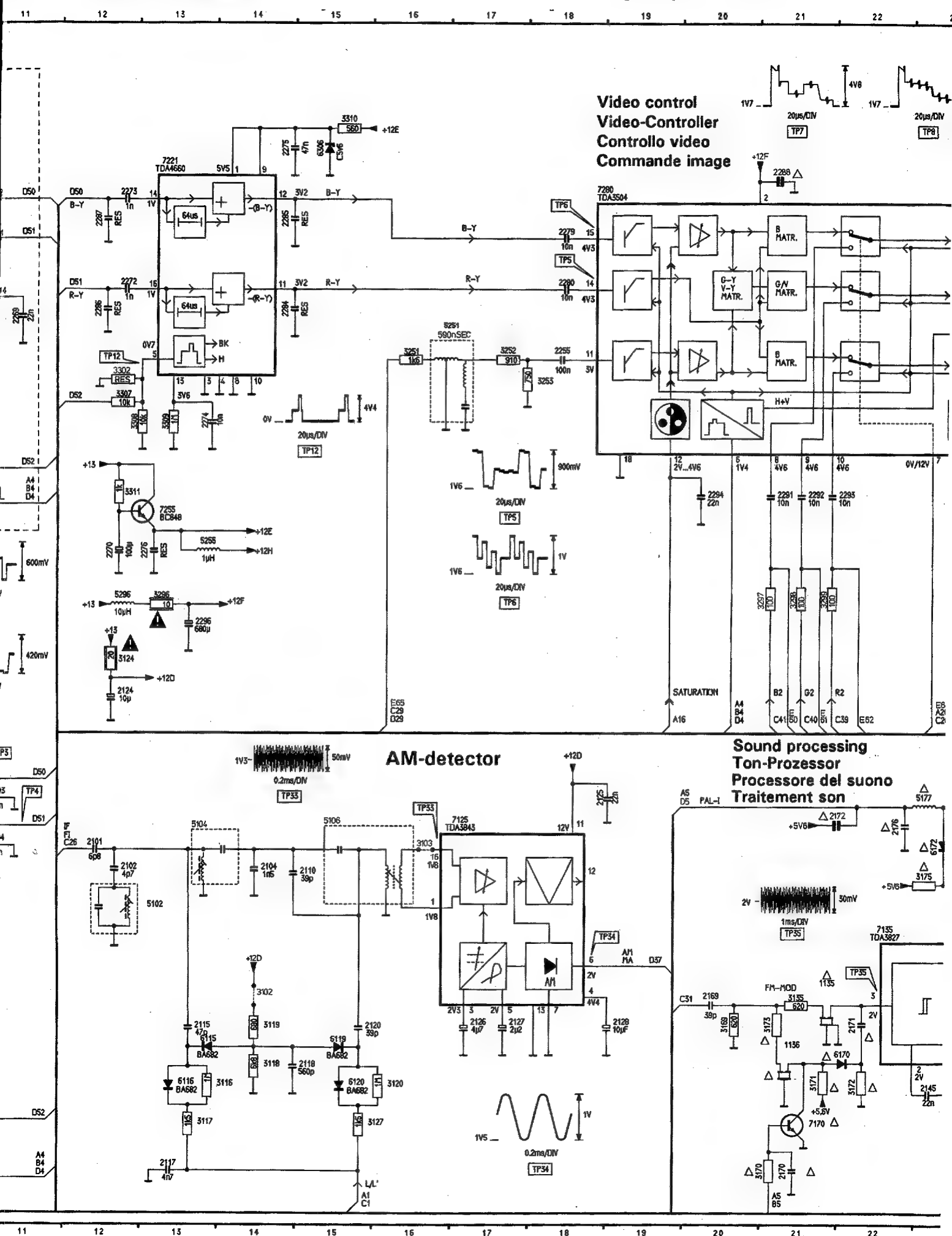
D

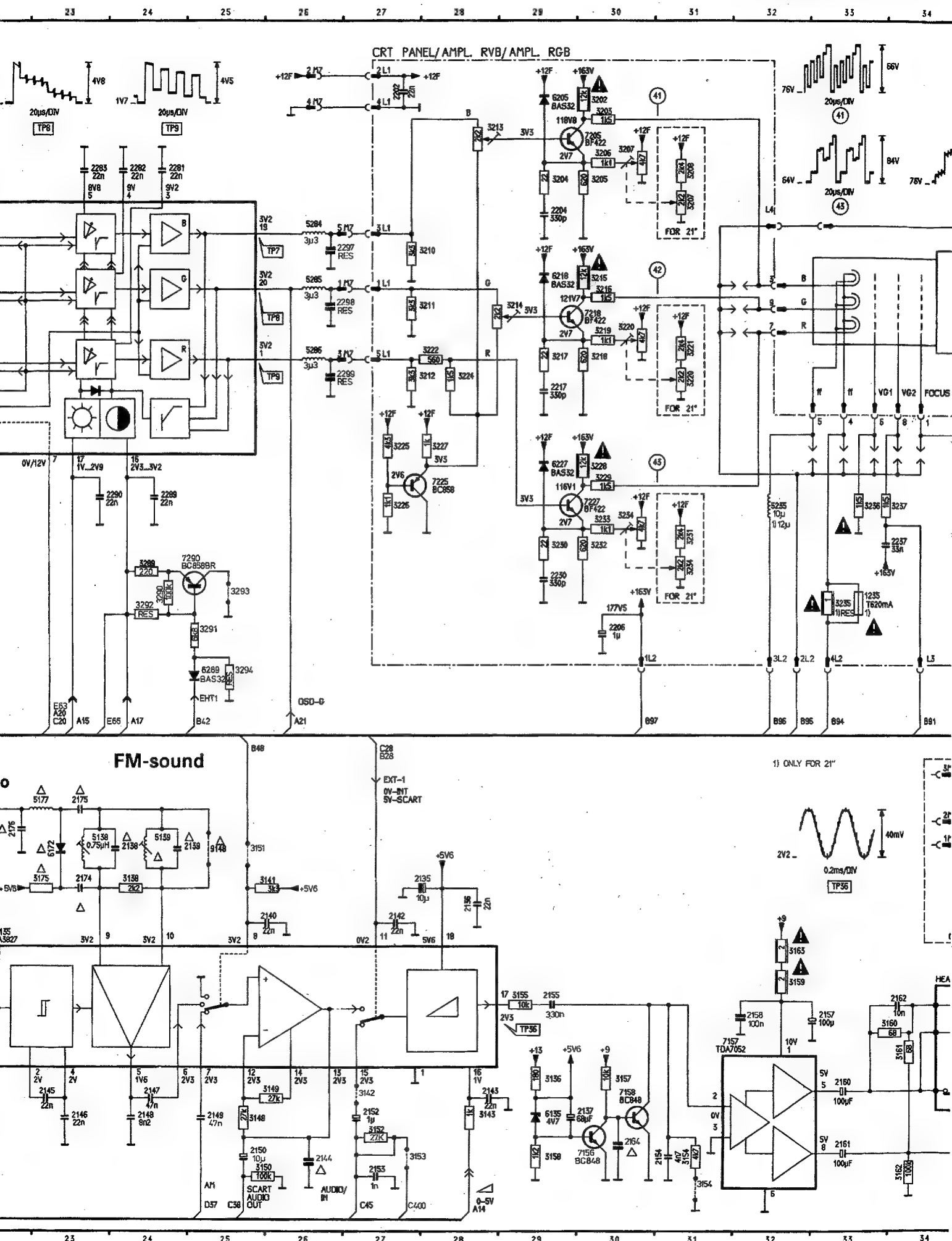
ONLY PAL SETS
SOLO PAL

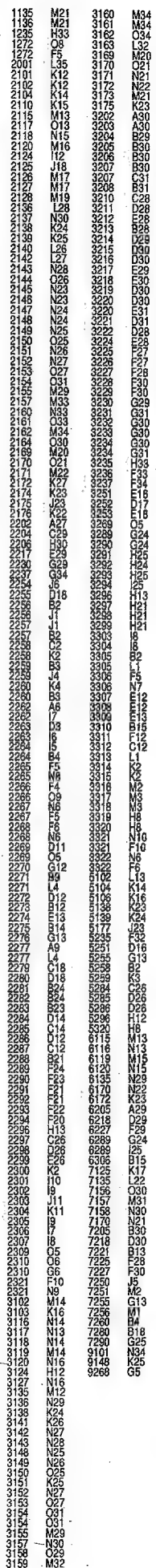
The schematic diagram illustrates the internal circuitry of a color television receiver. Key components include:

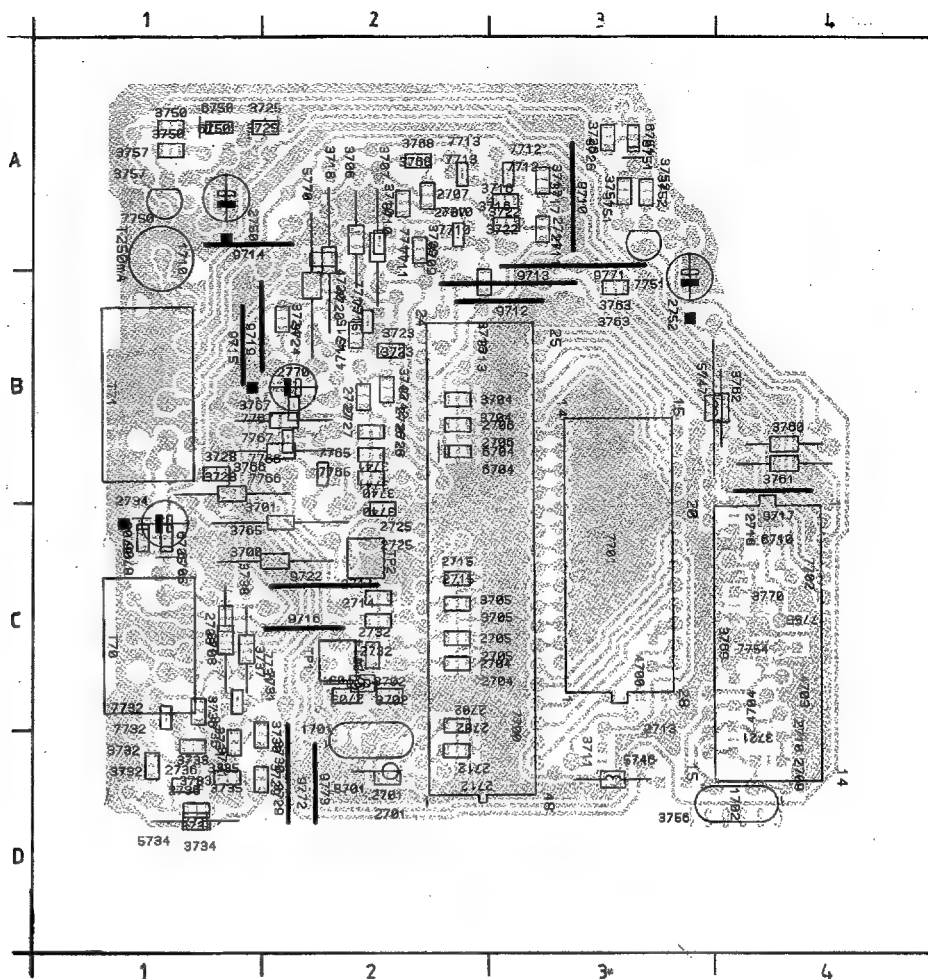
- Input Stage:** Features two BC848 transistors (7256 and 7251) connected to antenna inputs (+12H, +9, +15).
- Tuning and AGC:** Includes an AGC CAG (Automatic Gain Control) section and a BURST PAL SECAM section.
- Color Processing:** Contains PAL R-Y REF. and PAL B-Y REF. sections, along with a LINE BLANKING SPEGNI-MENTO RIGA section.
- Hue and Service Controls:** Includes a HUE control section and a SERVICE section.
- Output Stage:** Features a TV IDENT section and a BURST PAL SECAM section.
- Power Supply:** Shows a power supply section with a transformer (T1) and various filter capacitors.

The diagram also includes numerous passive components such as resistors (e.g., 2256, 2257, 2259, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 289

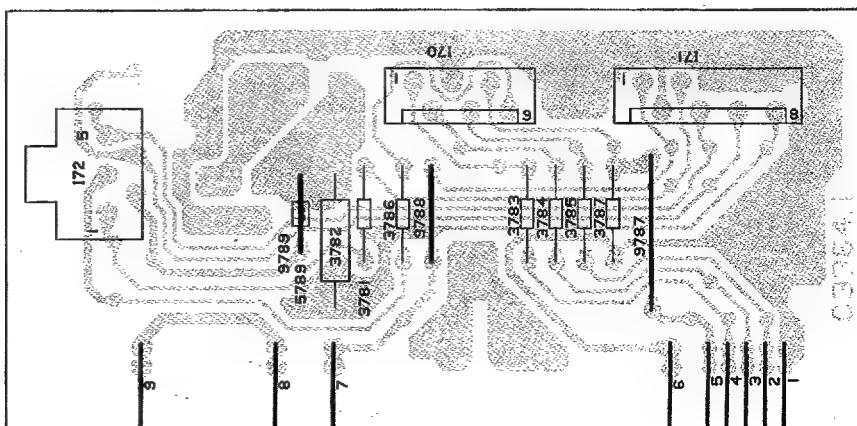


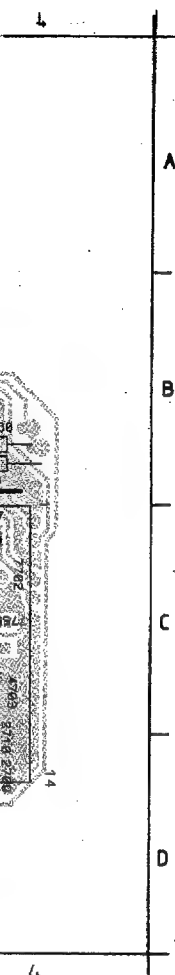




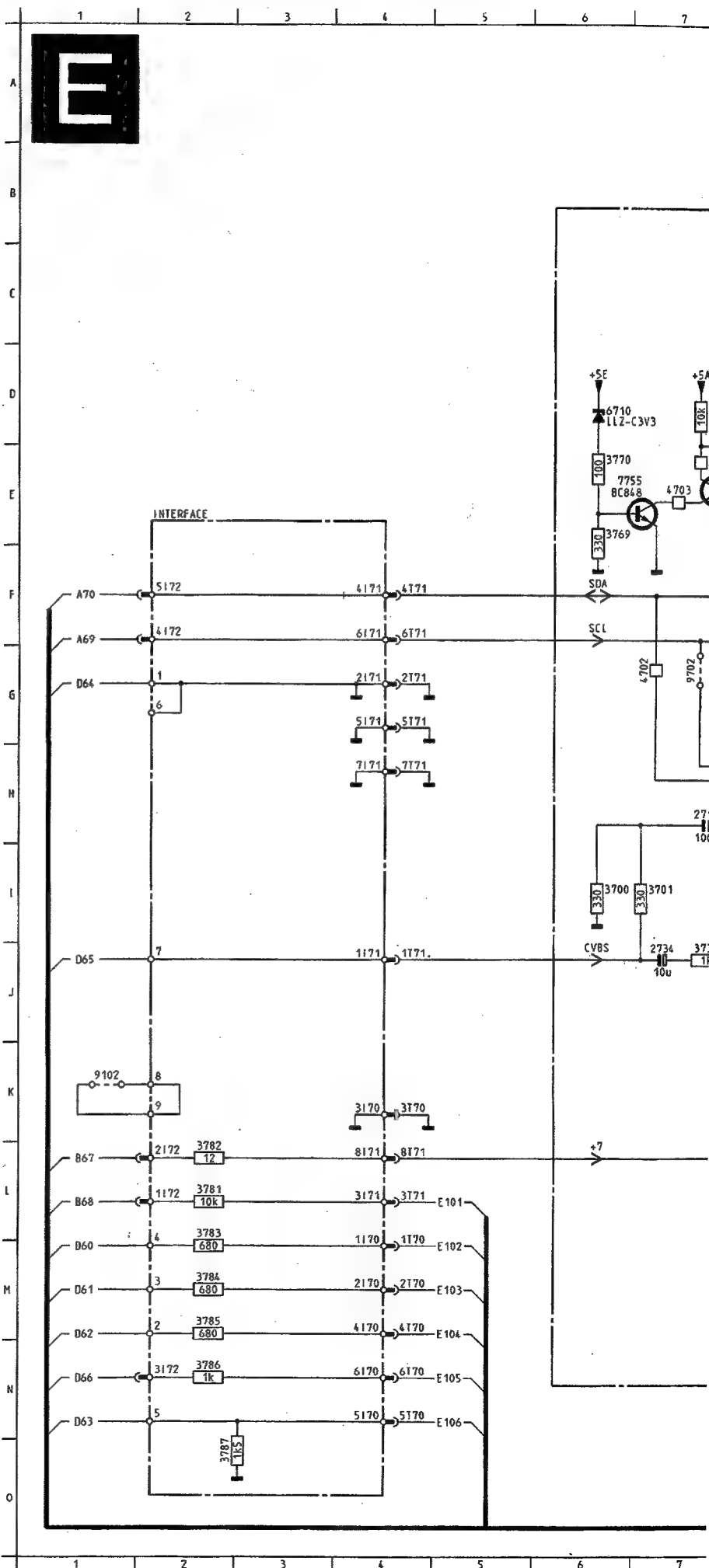


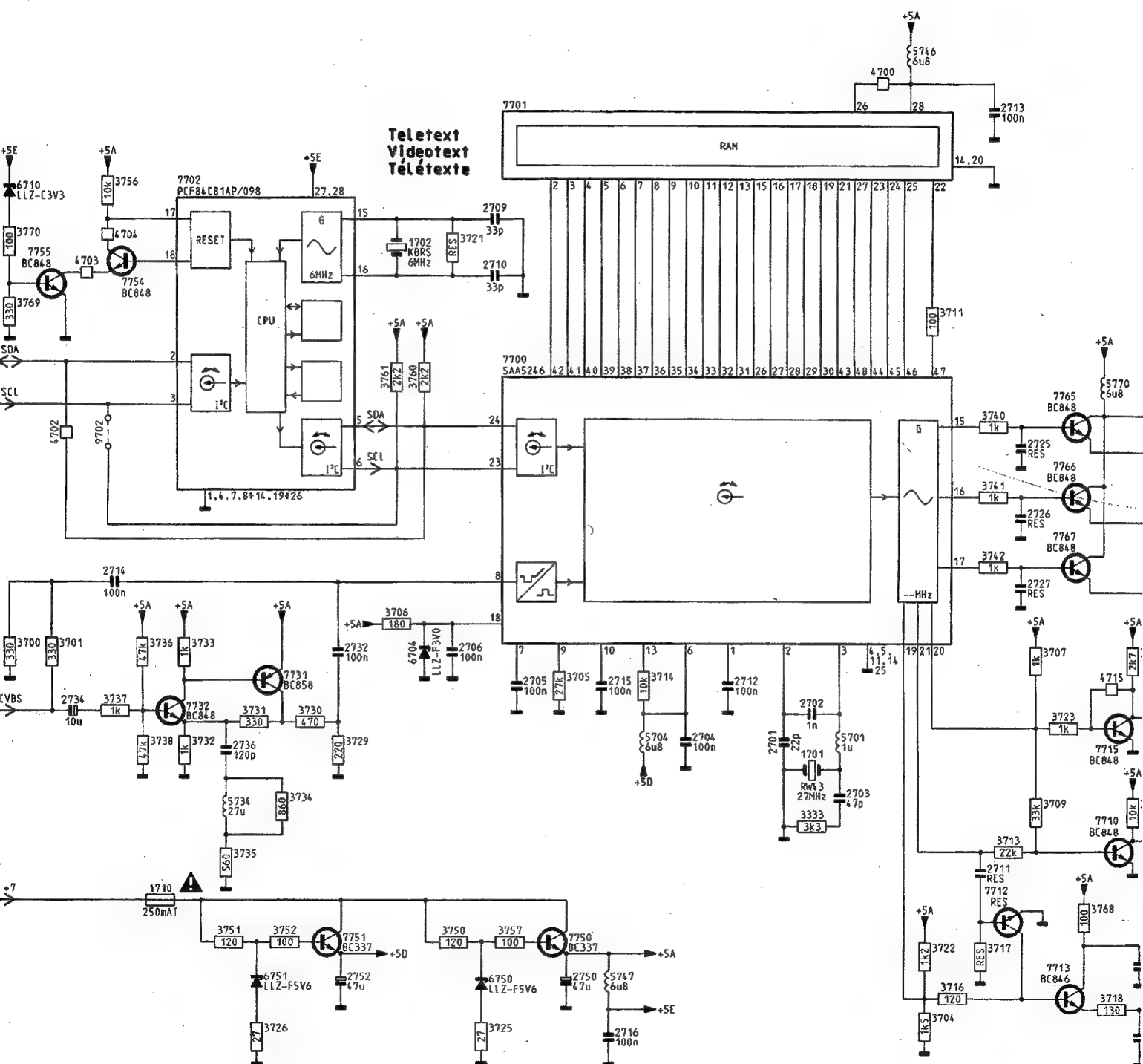
1702	D4	2727	B2	3717	A3	3741	B2	4715	B2	7713
1710	A1	2732	C2	3718	A2	3742	B2	4720	A2	7715
2701	D2	2734	C1	3721	D4	3750	A1	5701	D2	7731
2702	D2	2736	D1	3722	A3	3751	A3	5704	C2	7732
2703	C2	2750	A1	3723	B2	3752	A3	5734	D1	7750
2704	C2	2752	A3	3724	B2	3756	D3	5748	D3	7751
2705	C2	2770	B2	3725	A2	3757	A1	5747	B4	7754
2706	B2	3700	C2	3726	A3	3760	B4	5770	B2	7755
2707	A2	3701	B1	3728	B1	3781	B4	6704	B2	7765
2708	C1	3702	C2	3729	D2	3782	B4	6705	C1	7766
2709	D4	3704	B2	3730	D2	3763	A3	6706	C1	7767
2710	D4	3705	C2	3731	D1	3765	C2	6710	C4	9710
2711	A3	3706	A2	3732	D1	3766	B2	6750	A1	9712
2712	D2	3707	A2	3733	D1	3767	B2	6751	A3	9713
2713	C3	3709	A2	3734	D1	3788	A2	7700	C2	9714
2714	C2	3710	A2	3735	D1	3769	C4	7701	C3	9715
2715	C2	3711	D3	3736	C1	3770	C4	7702	C4	9716
2716	C4	3713	B2	3737	C1	4700	C3	7710	A2	9717
2725	C2	3714	C2	3738	C1	4703	C4	7711	A2	9719
2726	B2	3716	A3	3740	B2	4704	C4	7712	A3	9722

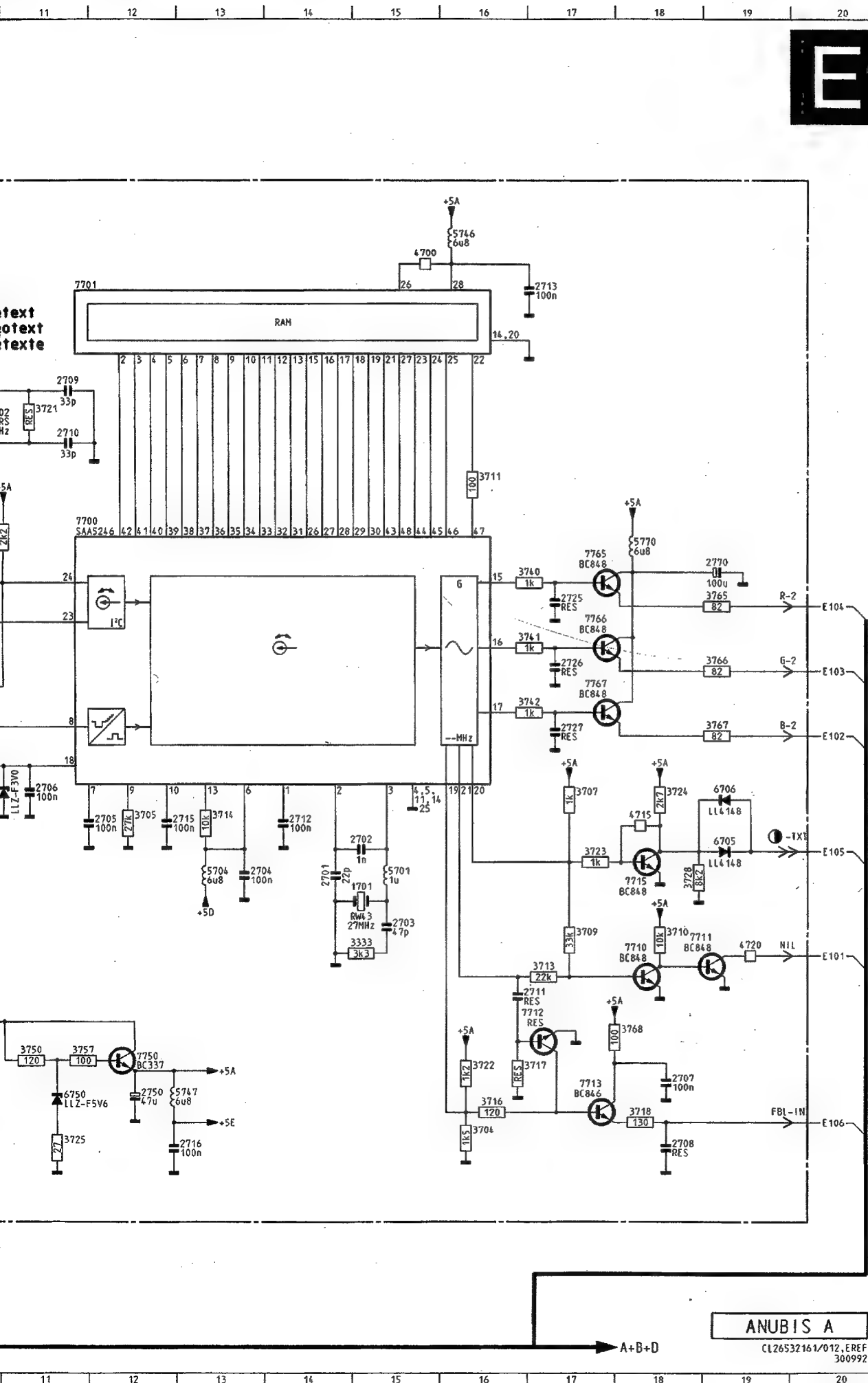




7713	A2	9771	A3
7715	B2	9772	D2
7731	C1	9773	D2
7732	C1	T70	C1
7750	A1	T71	B1
7751	A3	TP1	C2
7754	C4	TP2	C2
7755	C4		
7765	B2		
7766	B2		
7767	B2		
9710	A3		
9712	B3		
9713	A3		
9714	A1		
9715	B1		
9716	C2		
9717	B4		
9719	B2		
9722	C2		







A	1701	J15	7766	G17
	1702	E10	7767	H17
	1710	L 8	9102	K 1
	2701	J14	9702	G 7
	2702	J15		
B	2703	K15		
	2704	J13		
	2705	I12		
	2706	I11		
	2707	L18		
C	2708	M18		
	2709	O11		
	2710	E11		
	2711	K16		
	2712	I14		
D	2713	C17		
	2714	H 7		
	2715	I12		
	2716	M13		
	2725	G17		
E	2726	H17		
	2727	H17		
	2732	I10		
	2734	J 7		
	2736	J 8		
F	2750	M12		
	2752	M10		
	2770	F19		
	3333	K15		
	3700	I 6		
G	3701	I 7		
	3704	M16		
	3705	I12		
	3706	I10		
	3707	I17		
H	3709	K17		
	3710	K18		
	3711	E16		
	3713	K17		
	3714	I13		
I	3716	M16		
	3717	L16		
	3718	M18		
	3721	E11		
	3722	L16		
J	3723	J17		
	3724	I18		
	3725	M11		
	3726	M 9		
	3728	J18		
K	3729	J10		
	3730	J 9		
	3731	J 9		
	3732	J 8		
	3733	I 8		
L	3734	K 9		
	3735	K 9		
	3736	I 8		
	3737	J 7		
	3738	J 8		
M	3740	G17		
	3741	G17		
	3742	H17		
	3750	L11		
	3751	L 8		
N	3752	L 9		
	3756	D 7		
	3757	L11		
	3760	F10		
	3761	F10		
O	3765	G19		
	3766	H19		
	3767	M19		
	3768	L18		
	3769	E 6		
P	3770	E 6		
	3781	L 2		
	3782	L 2		
	3783	L 2		
	3784	M 2		
Q	3785	M 2		
	3786	N 2		
	3787	O 2		
	4700	C15		
	4702	G 7		
R	4703	E 7		
	4704	E 7		
	4715	I18		
	4720	K19		
	5701	J15		
S	5704	J13		
	5734	K 8		
	5746	C16		
	5747	M12		
	5770	F18		
T	6704	I10		
	6705	J19		
	6706	I19		
	6710	D 6		
	6750	M11		
U	6751	M 9		
	7700	F11		
	7701	E11		
	7702	D 8		
	7710	K18		
V	7711	K19		
	7712	L17		
	7713	L17		
	7715	J18		
	7731	I 9		
W	7732	J 8		
	7750	L12		
	7751	L10		
	7754	E 7		
	7755	E 7		
X	7765	F17		

1. Adjustments on the main panel (Fig. 7)

1.1 +100V power supply voltage

Connect a voltmeter (DC) between pin 6 of connector M5 and ground. Adjust potentiometer 3535 for a voltage of +100V (14"-17") or +92,5V (21").

1.2 Horizontal synchronization

Interconnect pins 8 and 28 of IC7015. Apply an aerial signal and tune the set. Adjust potentiometer 3356 until the picture is straight. Remove the interconnection.

1.3 Horizontal centring

Is adjusted with potentiometer 3354.

1.4 Vertical centring

Can be adjusted by eventually mounting one of the resistors 3401 or 3408.

1.5 Picture height

Is adjusted with potentiometer 3410.

1.6 Focussing

Is adjusted with the focussing potentiometer in the line output transformer (see Fig. 8).

1.7 IF filter for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect a signal generator (e.g. PM 5326) via a condenser 5p6 to pin 17 of the tuner and adjust the frequency for 33.4 MHz. Connect an oscilloscope to pin 1 of filter 1015. Switch on the set and select system Europe via the system button on the set. Adjust 5012 for a minimum amplitude.

1.8 AFC

a. Alignments for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect a signal generator (e.g. PM 5326) as indicated in point 1.7 and adjust the frequency for 33.4 MHz. Tune the set in the VHF1 band at a tuning voltage of approx. 5V on pin 11 of the tuner. Select system France via the system button on the set. Connect a voltmeter to pin 21 of IC7015. Adjust 5040 for 6V (DC). Next adjust the frequency of the signal generator for 38,9 MHz. Select system Europe on the set. Adjust 5043 for 6V (DC).

b. Alignment for PAL BG-, PAL/SECAM BG-, PAL/SECAM BGDK- or PAL I sets

Connect a signal generator (e.g. PM 5326) as indicated in point 1.7 and adjust the frequency for 38.9 MHz (PAL I: 39.5MHz). Connect a voltmeter to pin 21 of IC7015. Adjust 5040 for 6V (DC).

1.9 RF AGC

If the picture of a strong local transmitter is reproduced distorted, adjust potentiometer 3021 until the picture is undistorted.

1.10 Chroma band-pass filter for PAL/SECAM sets

Connect a signal generator (e.g. PM5326) to pin 20 of the euro connector and adjust it for a frequency of 4,286 MHz. Connect pin 8 of the euro connector and pin 27 of IC7250 to pin 13 of IC7250 (+12V). Connect an oscilloscope to pin 15 of IC7250. Adjust 5259 for a maximum amplitude. Remove the interconnections.

1.11 Chroma subcarrier oscillator

Apply a PAL colour-bar pattern. Interconnect pin 11 of IC7260 (TDA4510) or pin 17 of IC7250 (TDA4650) to ground. Adjust 2265 so that colour pattern on the screen is practically stationary. Remove the interconnection.

1.12 SECAM demodulators for PAL/SECAM sets

Apply a SECAM black pattern. Connect an oscilloscope to pin 1 of IC7250. Adjust 5320 for 0 reading. Connect the oscilloscope to pin 3 of IC7250. Adjust 3320 for 0 reading.

1.13 The FM sound section

a. General adjustments

Apply a PAL BG (PAL I for PAL I sets) generator signal whose sound carrier is (FM) modulated with a frequency of 1 kHz. Set the generator to the mono mode. Tune the set and select, if possible, system Europe. Adjust 5138 for maximum sound output.

b. Additional adjustment for PAL/SECAM BGDK sets

After the general adjustment (see point a.) put the generator in SECAM DK position. Adjust 5139 for maximum sound output.

1.14 The AM sound section for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect pin 3 of IC7125 to a fixed voltage level of +2V by means of an adjustable power supply. Connect a signal generator (e.g. PM 5326) via a condenser 5p6 to pin 17 of the tuner and adjust the frequency for 32,4 MHz. Modulate (AM) the signal with 1 kHz. Tune the set in the UHF band and select system France. First adjust 5106 for maximum sound output. Next adjust 5104 for maximum sound output. Adjust the frequency of the signal generator for 30,9 MHz. and modulate (AM) the signal with 1 kHz. Adjust 5102 for minimum sound output. Remove the power supply connection.

2. Adjustments on the picture tube panel (Fig. 9)

2.1 Cut-off points of picture tube

Apply a black pattern generator signal. Adjust contrast at minimum.

Adjust brightness until the DC voltage across potentiometer 3213 is 0V.

Adjust 3207, 3220 and 3234 for a black level of 125V on the collectors of transistors 7205, 7218 and 7227.

Adjust Vg2 potentiometer until the gun that first emits light is just no longer visible. Adjust the two other guns with the respective controls (3207, 3220 or 3234) until just no light will be visible.

2.2 Grey scale

Apply a test pattern signal and adjust the set for normal operation. Allow the set to warm up for about 10 minutes. Adjust 3213 and 3214 until the desired grey scale has been obtained.

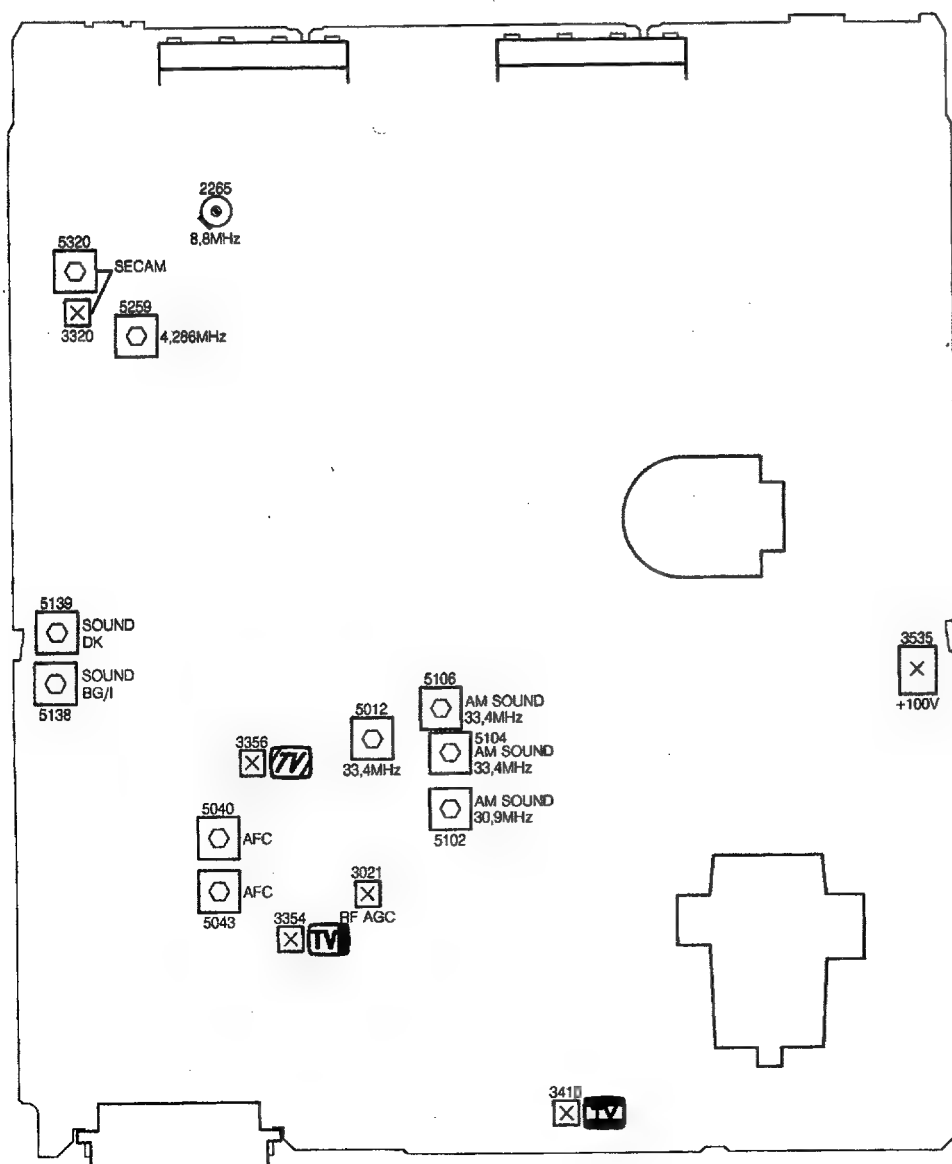


Fig. 7

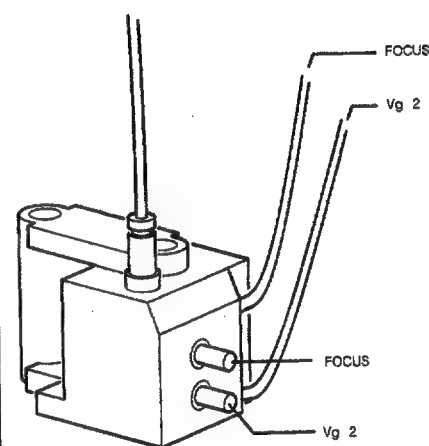
MDA.02811
T10/037

Fig. 8

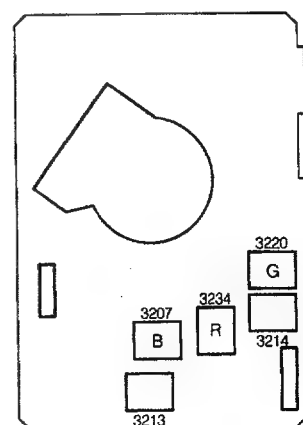


Fig. 9

MDA.02812
T28/036

List of error messages

ERROR MESSAGE	ERROR DESCRIPTION	POSSIBLE DEFECTIVE COMPONENT
Flashing LED	Internal μ C error	IC7600
F2 + Flashing LED	EEPROM error	IC7685

2507 5322 121 42919 10nF 10% 400V
 2509 4822 126 11141 2,2nF 10% 1KV
 2511 4822 122 31767 150pF 2% 63V
 2514 4822 122 31961 68pF 2% 63V
 2515 4822 122 31961 68pF 2% 63V

2517 5322 121 42498 680nF 5% 63V
 2520 4822 122 32891 68nF 10% 63V
 2522 4822 122 31746 1000pF 2% 63V
 2523 4822 122 31746 1000pF 2% 63V
 2524 ▲ 4822 126 11382 1nF 10% 1KV

2526 ▲ 4822 122 32442 10nF 50V
 2530 ▲ 4822 124 80096 47μF 200V
 2532 4822 122 31177 470pF 10% 500V
 2533 4822 122 31981 33nF 50V
 2534 ▲ 4822 126 11524 1,5nF 10% 1KV

2540 4822 124 41677 680μF 20% 25V
 2545 4822 124 40769 4,7μF 20% 100V
 2547 4822 122 31746 1000pF 2% 63V
 2550 4822 121 42786 33 nF 2% 100V
 2553 4822 122 31727 470pF 2% 63V

2554 4822 122 31174 2,7nF 10% 500V
 2555 4822 126 11544 22000pF 63V
 2556 4822 122 31784 4,7nF 10% 50V
 2557 4822 122 31784 4,7nF 10% 50V
 2560 4822 124 41677 680μF 20% 25V

2561 5322 124 41431 22μF 20% 35V
 2562 4822 122 31727 470pF 2% 63V
 2563 4822 122 31727 470pF 2% 63V
 2573 4822 122 31772 47pF 2% 63V
 2602 4822 124 40435 10μF 20% 50V

2606 4822 122 31974 820pF 10% 63V
 2610 4822 121 41673 220nF 10% 100V
 2611 4822 121 41673 220nF 10% 100V
 2615 4822 122 31765 100pF 2% 63V
 2623 4822 124 40242 1μF 20% 63V

2624 4822 124 41596 22μF 20% 50V
 2625 4822 122 32765 820pF 2% 63V
 2629 4822 124 40435 10μF 20% 50V
 2629 4822 124 41576 2,2μF 20% 50V
 2630 4822 124 41576 2,2μF 20% 50V

2651 4822 122 31974 820pF 10% 63V
 2658 4822 122 31974 820pF 10% 63V
 2660 5322 122 31647 1nF 10% 63V
 2666 4822 124 40433 47μF 20% 25V
 2666 ▲ 4822 124 41525 100μF 20% 25V

2669 4822 122 31772 47pF 2% 63V
 2669 5322 122 31842 820pF 2% 63V
 2670 4822 122 31965 220pF 2% 63V
 2676 4822 122 31768 180pF 2% 63V
 2677 4822 122 31769 18pF 2% 63V

2677 4822 122 31971 10pF 2% 63V
 2677 4822 122 32083 8,2pF 5% 50V
 2678 4822 122 31769 18pF 2% 63V
 2678 4822 122 31971 10pF 2% 63V
 2678 4822 122 32083 8,2pF 5% 50V

2679 4822 122 31839 82pF 2% 63V
 2680 4822 122 31825 27pF 2% 63V
 2681 4822 122 31825 27pF 2% 63V
 2682 4822 122 31765 100pF 2% 63V
 2685 ▲ 4822 124 41525 100μF 20% 25V

2686 4822 126 11544 22000pF 63V
 2690 4822 126 11544 22000pF 63V
 2695 4822 122 31974 820pF 10% 63V
 2696 4822 122 31974 820pF 10% 63V
 2697 4822 122 31974 820pF 10% 63V

2698 4822 122 31974 820pF 10% 63V
 2849 4822 122 31727 470pF 2% 63V
 2850 4822 122 31965 220pF 2% 63V
 2852 4822 122 31965 220pF 2% 63V
 2860 4822 122 31784 4,7nF 10% 50V

2875 5322 122 31647 1nF 10% 63V
 2876 4822 124 40435 10μF 20% 50V



3001 ▲ 4822 052 10229 22Ω 5% 0,33W
 3002 4822 051 10272 2k7 2% 0,25W
 3004 4822 051 10008 0Ω 5% 0,25W
 3005 4822 051 10008 0Ω 5% 0,25W
 3005 4822 051 10102 1k 2% 0,25W

3010 4822 051 10008 0Ω 5% 0,25W
 3010 4822 051 10569 56k 2% 0,25W
 3011 4822 051 10562 5k6 2% 0,25W
 3012 4822 051 10562 5k6 2% 0,25W
 3015 ▲ 4822 052 10109 10Ω 5% 0,33W

3015 ▲ 4822 052 10159 15Ω 5% 0,33W
 3016 4822 116 52245 150k 5% 0,5W
 3017 4822 116 52256 2k2 5% 0,5W
 3018 4822 051 10103 10k 2% 0,25W
 3019 4822 051 10181 180Ω 2% 0,25W

3019 4822 051 10562 5k6 2% 0,25W
 3021 4822 100 11823 47k 30% 0,1W
 3022 4822 051 10473 47k 2% 0,25W
 3023 4822 051 10224 220k 2% 0,25W
 3024 4822 051 10472 4k7 2% 0,25W

3025 4822 051 10332 3k3 2% 0,25W
 3026 4822 051 10101 100Ω 2% 0,25W
 3027 4822 051 10221 220Ω 2% 0,25W
 3028 4822 051 10152 1k5 2% 0,25W
 3029 4822 051 10152 1k5 2% 0,25W

3030 4822 051 10221 220Ω 2% 0,25W
 3031 4822 051 10331 330Ω 2% 0,25W
 3032 4822 051 10181 180Ω 2% 0,25W
 3033 4822 051 10182 1k8 2% 0,25W
 3034 4822 051 10103 10k 2% 0,25W

3035 4822 051 10008 0Ω 5% 0,25W
 3036 4822 051 10008 0Ω 5% 0,25W
 3037 4822 051 10008 0Ω 5% 0,25W
 3038 4822 051 10393 39k 2% 0,25W
 3039 4822 051 10393 39k 2% 0,25W

3043 4822 051 10103 10k 2% 0,25W
 3044 4822 116 52233 10k 5% 0,5W
 3049 4822 051 10683 68k 2% 0,25W
 3050 4822 051 10332 3k3 2% 0,25W
 3051 4822 051 10223 22k 2% 0,25W

3054 4822 051 10102 1k 2% 0,25W
 3102 4822 051 10008 0Ω 5% 0,25W
 3103 4822 051 10008 0Ω 5% 0,25W
 3116 4822 051 10105 1M 5% 0,25W
 3117 4822 051 10152 1k5 2% 0,25W

3118 4822 051 10682 6k8 2% 0,25W
 3119 4822 051 10681 680Ω 2% 0,25W
 3120 4822 051 10105 1M 5% 0,25W
 3124 ▲ 4822 052 10229 22Ω 5% 0,33W
 3127 4822 051 10152 1k5 2% 0,25W

3135 4822 051 10621 620Ω 2% 0,25W
 3136 4822 053 11181 180Ω 5% 2W
 3137 4822 051 10008 0Ω 5% 0,25W
 3138 4822 051 20222 2k2 5% 0,1W
 3139 4822 051 10008 0Ω 5% 0,25W

3140 4822 051 10008 0Ω 5% 0,25W
 3141 4822 051 10332 3k3 2% 0,25W
 3142 4822 051 10008 0Ω 5% 0,25W
 3143 4822 051 10102 1k 2% 0,25W
 3148 4822 051 10273 27k 2% 0,25W

3149 4822 051 10273 27k 2% 0,25W
 3150 4822 051 10104 100k 2% 0,25W
 3151 4822 051 10008 0Ω 5% 0,25W
 3152 4822 051 10273 27k 2% 0,25W
 3153 4822 051 10123 12k 2% 0,25W

3154 4822 051 10272 2k7 2% 0,25W
 3155 4822 051 10103 10k 2% 0,25W
 3156 4822 051 10008 0Ω 5% 0,25W
 3157 ▲ 4822 050 21003 10k 1% 0,6W
 3158 4822 051 10122 1k2 2% 0,25W

3159 ▲ 4822 052 11208 2Ω 5% 0,5W
 3160 4822 051 10689 68Ω 2% 0,25W
 3161 4822 051 10689 68Ω 2% 0,25W
 3162 4822 051 10104 100k 2% 0,25W
 3163 ▲ 4822 052 11208 2Ω 5% 0,5W

3169 4822 051 10621 620Ω 2% 0,25W
 3170 4822 051 10473 47k 2% 0,25W
 3171 ▲ 4822 116 52283 4k7 5% 0,5W
 3172 4822 051 10472 4k7 2% 0,25W
 3173 4822 051 10621 620Ω 2% 0,25W

3175 4822 051 10102 1k 2% 0,25W
 3251 4822 051 10162 1k6 2% 0,25W
 3252 4822 051 10911 910Ω 2% 0,25W
 3253 4822 051 10751 750Ω 2% 0,25W
 3261 4822 051 10008 0Ω 5% 0,25W

3269 4822 051 10008 0Ω 5% 0,25W
 3289 4822 051 10221 220Ω 2% 0,25W
 3290 4822 051 10104 100k 2% 0,25W
 3291 4822 116 52296 6k8 5% 0,5W
 3293 4822 051 10008 0Ω 5% 0,25W

3296 ▲ 4822 052 10109 10Ω 5% 0,33W
 3297 4822 051 10101 100Ω 2% 0,25W
 3298 4822 051 10101 100Ω 2% 0,25W
 3299 4822 051 10101 100Ω 2% 0,25W
 3303 4822 051 10331 330Ω 2% 0,25W

3304 4822 051 10331 330Ω 2% 0,25W
 3305 4822 051 51201 120Ω 1% 0,125W
 3306 4822 051 10332 3k3 2% 0,25W
 3307 4822 051 10103 10k 2% 0,25W
 3308 4822 116 52233 10k 5% 0,5W

3309 4822 051 10105 1M 5% 0,25W
 3310 4822 051 10561 560Ω 2% 0,25W
 3311 4822 051 10102 1k 2% 0,25W
 3312 4822 051 10008 0Ω 5% 0,25W
 3313 4822 051 10473 47k 2% 0,25W

3314 4822 051 10682 6k8 2% 0,25W
 3315 4822 051 10473 47k 2% 0,25W
 3316 4822 051 10473 47k 2% 0,25W
 3317 4822 051 10472 4k7 2% 0,25W
 3318 4822 051 10472 4k7 2% 0,25W

3319 4822 051 10681 680Ω 2% 0,25W
 3320 4822 100 11824 470Ω 30% 0,1W
 3321 4822 116 52256 2k2 5% 0,5W
 3322 4822 051 10008 0Ω 5% 0,25W
 3350 4822 051 10823 82k 2% 0,25W

3351 4822 116 52249 1k8 5% 0,5W
 3353 4822 051 10473 47k 2% 0,25W
 3353 4822 051 56203 62k 1% 0,125W
 3354 4822 100 11822 22k 30% 0,1W
 3354 4822 100 11844 100k 30%

3355 4822 116 52267 30k 5% 0,5W
 3356 4822 100 11821 6k8 30% 0,1W
 3357 4822 051 20222 2k2 5% 0,1W
 3358 4822 051 10104 100k 2% 0,25W
 3358 4822 051 10433 43k 2% 0,25W

3359 4822 051 10272 2k7 2% 0,25W
 3360 4822 051 10008 0Ω 5% 0,25W
 3362 4822 051 10101 100Ω 2% 0,25W
 3363 4822 051 10008 0Ω 5% 0,25W
 3364 4822 051 10394 390k 2% 0,25W

3370 ▲ 4822 052 11471 470Ω 5% 0,5W
 3401 4822 116 52259 2k4 5% 0,5W
 3402 ▲ 4822 050 23901 390Ω 1% 0,6W
 3402 4822 116 52222 390Ω 5% 0,5W
 3403 ▲ 4822 116 52266 3k 5% 0,5W

3403▲	4822 116 52269	3k3 5% 0,5W	3522	4822 053 11569	56Ω 5% 2W	33631	4822 116 52275	360k 5% 0,5W
3403	4822 116 52276	3k9 5% 0,5W	3523	4822 050 24708	4Ω 7 1% 0,6W	3635	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10202	2k 2% 0,25W	3525	4822 053 11209	20Ω 5% 2W	3651	4822 051 10103	10k 2% 0,25W
3404▲	4822 051 10242	2k4 2% 0,25W	3530	4822 115 10114	150Ω 10%	3652	4822 116 52207	1k2 5% 0,5W
3404	4822 051 10432	4k3 2% 0,25W	3533	4822 050 14703	47k 1% 0,4W	3653	4822 116 52207	1k2 5% 0,5W
3405	4822 051 10131	130Ω 2% 0,25W	3533	4822 050 14873	48k7 1% 0,4W	654	4822 051 10102	1k 2% 0,25W
3405	4822 051 10151	150Ω 2% 0,25W	3534	4822 051 10302	3k 2% 0,25W	3655	4822 051 10102	1k 2% 0,25W
3405	4822 051 10159	15Ω 2% 0,25W	3534	4822 051 10332	3k3 2% 0,25W	3656	4822 051 10103	10k 2% 0,25W
3406	4822 051 10123	12k 2% 0,25W	3535	4822 100 11794	1k 10%	3657	4822 051 10683	68k 2% 0,25W
3406	4822 051 10153	15k 2% 0,25W	3544▲	4822 052 10108	1Ω 5% 0,33W	3658	4822 051 10272	2k7 2% 0,25W
3406	4822 051 20183	18k 5% 0,1W	3547	4822 050 11502	1k5 1% 0,4W	3659	4822 051 10911	910Ω 2% 0,25W
3407	4822 051 10223	22k 2% 0,25W	3549	4822 051 10479	47Ω 2% 0,25W	3660	4822 116 52175	100Ω 5% 0,5W
3407	4822 051 20183	18k 5% 0,1W	3550	4822 051 10122	1k2 2% 0,25W	3661	4822 050 11002	1k 1% 0,4W
3408▲	4822 053 10681	680Ω 5% 1W	3550	4822 051 10152	1k5 2% 0,25W	3663	4822 051 10151	150Ω 2% 0,25W
3408	4822 116 52259	2k4 5% 0,5W	3551	4822 051 10151	150Ω 2% 0,25W	3663	4822 051 10471	470Ω 2% 0,25W
3409	4822 051 10008	0Ω 5% 0,25W	3552	4822 051 10101	100Ω 2% 0,25W	3664	4822 116 52296	6k8 5% 0,5W
3410	4822 100 11658	330Ω 30% 0,1W	3553	4822 051 10221	220Ω 2% 0,25W	3664	4822 116 52306	9k1 5% 0,5W
3411	4822 050 24308	4Ω 3 1% 0,6W	3554	4822 053 11689	68Ω 5% 2W	3665	4822 050 11002	1k 1% 0,4W
3411▲	4822 052 11208	2Ω 5% 0,5W	3555	4822 051 10101	100Ω 2% 0,25W	3666	4822 051 10151	150Ω 2% 0,25W
3411	4822 116 83985	3Ω 6 5% 0,33W	3556	4822 051 10681	680Ω 2% 0,25W	3666	4822 051 10471	470Ω 2% 0,25W
3412	4822 050 24308	4Ω 3 1% 0,6W	3557▲	4822 053 11271	270Ω 5% 2W	3667	4822 116 52233	10k 5% 0,5W
3412▲	4822 052 10278	2Ω 7 5% 0,33W	3558	4822 051 10101	100Ω 2% 0,25W	3668	4822 051 10433	43k 2% 0,25W
3412	4822 116 83984	2Ω 7 5% 0,33W	3560	4822 051 10101	100Ω 2% 0,25W	3669	4822 051 10103	10k 2% 0,25W
3413	4822 051 10273	27k 2% 0,25W	3561▲	4822 116 52219	330Ω 5% 0,5W	3670	4822 116 52233	10k 5% 0,5W
3414	4822 051 10008	0Ω 5% 0,25W	3562	4822 051 10271	270Ω 2% 0,25W	3671	4822 051 10103	10k 2% 0,25W
3415	4822 116 52253	2k 5% 0,5W	3563	4822 051 10008	0Ω 5% 0,25W	3672	4822 051 10102	1k 2% 0,25W
3416	4822 116 52253	2k 5% 0,5W	3564▲	4822 052 10109	10Ω 5% 0,33W	3673	4822 051 10103	10k 2% 0,25W
3417	4822 051 10008	0Ω 5% 0,25W	3565	4822 051 10103	10k 2% 0,25W	3674	4822 050 11002	1k 1% 0,4W
3418	4822 051 10008	0Ω 5% 0,25W	3566	4822 051 10123	12k 2% 0,25W	3676	4822 116 52233	10k 5% 0,5W
3419	4822 051 10008	0Ω 5% 0,25W	3567	4822 051 20183	18k 5% 0,1W	3678	4822 051 10008	0Ω 5% 0,25W
3419	4822 051 10101	100Ω 2% 0,25W	3568	4822 053 11122	1k2 5% 2W	3679	4822 051 20222	2k2 5% 0,1W
3440▲	4822 116 52199	68Ω 5% 0,5W	3569	4822 116 52175	100Ω 5% 0,5W	3680	4822 051 10008	0Ω 5% 0,25W
3442	4822 051 10562	5k6 2% 0,25W	3570	4822 116 52257	22k 5% 0,5W	3682	4822 051 10008	0Ω 5% 0,25W
3443	4822 113 80583	4Ω 7 10% 5W	3571▲	4822 050 24701	470Ω 1% 0,6W	3683	4822 051 10008	0Ω 5% 0,25W
3444	4822 053 11562	5k6 5% 2W	3572▲	4822 116 52202	82Ω 5% 0,5W	3684	4822 051 10332	3k3 2% 0,25W
3444▲	4822 117 10037	4k7 5% 3W	3573	4822 116 52284	47k 5% 0,5W	3685	4822 051 10332	3k3 2% 0,25W
3445	4822 051 10479	47Ω 2% 0,25W	3574	4822 051 10104	100k 2% 0,25W	3686	4822 051 10102	1k 2% 0,25W
3448▲	4822 052 10108	1Ω 5% 0,33W	3591	4822 051 10008	0Ω 5% 0,25W	3687	4822 051 10102	1k 2% 0,25W
3449▲	4822 052 10108	1Ω 5% 0,33W	3593	4822 051 10008	0Ω 5% 0,25W	3688	4822 051 10225	2M2 5% 0,25W
3451	4822 051 10333	33k 2% 0,25W	3601	4822 116 52233	10k 5% 0,5W	3689	4822 051 10104	100k 2% 0,25W
3452▲	4822 052 10109	10Ω 5% 0,33W	3602	4822 116 52303	8k2 5% 0,5W	3692	4822 050 11002	1k 1% 0,4W
3452▲	4822 052 10159	15Ω 5% 0,33W	3603	4822 050 12403	2,2M 0,125W	3693	4822 116 52284	47k 5% 0,5W
3452▲	4822 052 10478	4k7 5% 0,33W	3604	4822 051 10151	150Ω 2% 0,25W	3694	4822 051 10008	0Ω 5% 0,25W
3454▲	4822 052 11102	1k 5% 0,5W	3604	4822 051 10339	33Ω 2% 0,25W	3695	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10123	12k 2% 0,25W	3605	4822 050 12204	220k 1% 0,4W	3696	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 20183	18k 5% 0,1W	3606	4822 116 52233	10k 5% 0,5W	3697	4822 051 10101	100Ω 2% 0,25W
3456	4822 053 20334	330k 5% 0,25W	3607	4822 051 10332	3k3 2% 0,25W	3698	4822 116 52175	100Ω 5% 0,5W
3456	4822 053 20434	430k 5% 0,25W	3610	4822 051 10153	15k 2% 0,25W	3699	4822 051 10472	4k7 2% 0,25W
3457	4822 113 80573	270Ω 10% 5W	3611	4822 051 10103	10k 2% 0,25W	3850	4822 051 10123	12k 2% 0,25W
3460	4822 051 10103	10k 2% 0,25W	3612	4822 051 10103	10k 2% 0,25W	3851	4822 116 80747	75Ω 5% 0,125W
3460	4822 051 10113	11k 2% 0,25W	3613	4822 051 10123	12k 2% 0,25W	3852	4822 051 10123	12k 2% 0,25W
3465	4822 051 10185	1M8 5% 0,25W	3614	4822 051 10472	4k7 2% 0,25W	3853	4822 116 80747	75Ω 5% 0,125W
3470▲	4822 052 10478	4Ω 7 5% 0,33W	3614	4822 051 10473	47k 2% 0,25W	3854	4822 051 10008	0Ω 5% 0,25W
3470▲	4822 052 10828	8Ω 2 5% 0,33W	3615	4822 051 10824	820k 2% 0,25W	3855	4822 116 80747	75Ω 5% 0,125W
3501	4822 116 40137	PTC 36Ω 365V	3616	4822 051 10008	0Ω 5% 0,25W	3856	4822 051 10008	0Ω 5% 0,25W
3503▲	4822 053 21475	4M7 5% 0,5W	3616	4822 116 52284	47k 5% 0,5W	3857	4822 051 10008	0Ω 5% 0,25W
3504▲	4822 053 21475	4M7 5% 0,5W	3617	4822 051 10008	0Ω 5% 0,25W	3858	4822 116 80747	75Ω 5% 0,125W
3508	4822 051 10333	33k 2% 0,25W	3617	4822 051 10562	5k6 2% 0,25W	3859	4822 051 10008	0Ω 5% 0,25W
3509	4822 116 52274	36k 5% 0,5W	3618	4822 051 20183	18k 5% 0,1W	3860	4822 051 10471	470Ω 2% 0,25W
3510	4822 051 10333	33k 2% 0,25W	3620	4822 051 10433	43k 2% 0,25W	3862	4822 050 11002	1k 1% 0,4W
3511	4822 051 10102	1k 2% 0,25W	3621	4822 051 10363	36k 2% 0,25W	3865	4822 116 82719	56Ω 5% 0,125W
3513	4822 051 10223	22k 2% 0,25W	3621	4822 051 10393	39k 2% 0,25W	3866	4822 116 82718	18Ω 5% 0,125W
3514	4822 116 52278	390k 5% 0,5W	3622	4822 116 52284	47k 5% 0,5W	3871	4822 116 52215	220Ω 5% 0,5W
3515	4822 051 10471	470Ω 2% 0,25W	3623	4822 116 52257	22k 5% 0,5W	3875	4822 116 52196	51Ω 5% 0,5W
3516	4822 051 10101	100Ω 2% 0,25W	3624	4822 051 10273	27k 2% 0,25W	3876	4822 051 10332	3k3 2% 0,25W
3517	4822 116 52206	120Ω 5% 0,5W	3625	4822 051 10163	16k 2% 0,25W	3878	4822 116 52251	18k 5% 0,5W
3518	4822 051 10224	220k 2% 0,25W	3626	4822 116 52251	18k 5% 0,5W	3879	4822 051 10473	47k 2% 0,25W
3520	4822 051 10184	180k 2% 0,25W	3627	4822 051 10223	22k 2% 0,25W	3880	4822 051 10562	5k6 2% 0,25W
3521	4822 053 11209	20Ω 5% 2W	3628	4822 051 10393	39k 2% 0,25W	3881	4822 051 10103	10k 2% 0,25W
3521	4822 053 11569	56Ω 5% 2W	3630	4822 051 10274	270k 2% 0,25W	3882	4822 051 10752	7k5 2% 0,25W

3883 4822 051 10103 10k 2% 0,25W
3901 4822 051 10008 0Ω 5% 0,25W
3902 4822 051 10008 0Ω 5% 0,25W

5010 4822 157 62552 2,2μH
5012 4822 157 63068 0,28μH
5018 4822 526 10494 FERRITE BEAD
5030 4822 157 60123 6,8μH
5032 4822 157 62767 8,2μH

5040 4822 157 63064 0,19μH
5040 4822 157 63071 0,3μH
5043 4822 157 63069 0,7μH
5102 4822 157 63524 1,0μH
5104 4822 157 63525 0,35μH

5106 4822 157 63526 0,34μH
5138 4822 157 53635 10K 0,75μH 6%
5139 4822 157 53635 10K 0,75μH 6%
5177 4822 157 52333 100μH
5251 4822 320 40235 DELAY LINE

5255 4822 157 53302 1,0μH
5258 ▲ 4822 157 51462 10μH
5259 4822 157 52808 10μH
5284 4822 157 60141 3,3μH
5285 4822 157 60141 3,3μH

5286 4822 157 60141 3,3μH
5296 ▲ 4822 157 51462 10μH
5320 4822 157 52808 10μH
5440 4822 157 52983 2N2
5441 4822 146 21116 LOT DRIVER

5443 ▲ 4822 157 51462 10μH
5445 ▲ 4822 140 10406 LOT AT2079/40
5447 4822 157 62766 262LYF-0095K
5449 4822 156 20966 47μH
5449 4822 158 10551 27μH

5452 4822 157 51157 3,3μH
5453 ▲ 4822 157 51462 10μH
5454 4822 156 21332 LIN. COIL (21")
5454 4822 157 53205 LIN. C. (14/17")
5470 ▲ 4822 157 51462 10μH

5500 4822 212 22978 MAINS FILTER
5503 4822 157 53139 4,7μH
5515 4822 157 50963 2,2μH
5521 4822 157 51195 1μH
5524 4822 157 53542 1μH 2%

5525 4822 148 81121 SOPS TRF
5529 4822 157 63411 68μH
5530 4822 157 63411 68μH
5531 4822 158 10551 27μH
5532 4822 157 51157 3,3μH

5534 4822 157 62878 3,3μH
5540 4822 156 20966 47μH
5541 4822 156 20966 47μH
5545 4822 157 51195 1μH
5554 4822 157 51157 3,3μH

5560 ▲ 4822 157 51462 10μH
5601 ▲ 4822 157 51462 10μH
5652 ▲ 4822 157 51462 10μH
5653 ▲ 4822 157 51462 10μH
5677 4822 157 53906 47μH



6014 4822 130 80888 BA682
6020 4822 130 81223 LLZ-C2V4
6034 4822 130 80446 LL4148
6042 4822 130 80888 BA682
6050 ▲ 4822 130 30621 1N4148

6051 ▲ 4822 130 30621 1N4148
6052 ▲ 4822 130 30621 1N4148

6053 4822 130 80446 LL4148
6054 4822 130 81147 LLZ-F6V2
6055 4822 130 80446 LL4148
6115 4822 130 80888 BA682
6116 4822 130 80888 BA682

6119 4822 130 80888 BA682
6120 4822 130 80888 BA682
6135 4822 130 80883 LLZ-C4V7
6170 4822 130 80888 BA682
6172 4822 130 80888 BA682

6289 4822 130 80446 BAS32L
6306 4822 130 80954 LLZ-C5V6
6370 4822 130 82304 LLZ-F12
6415 4822 130 80446 LL4148
6416 4822 130 42488 BYD33D

6443 5322 130 31938 BYV27-200
6446 4822 130 32896 BYD33M
6447 4822 130 32896 BYD33M
6449 4822 130 42488 BYD33D
6449 5322 130 32967 BYV26B

6451 4822 130 42488 BYD33D
6452 4822 130 42488 BYD33D
6453 4822 130 42488 BYD33D
6470 4822 130 42488 BYD33D
6502 4822 130 81497 1N4005GP

6503 4822 130 81497 1N4005GP
6504 4822 130 81497 1N4005GP
6505 4822 130 81497 1N4005GP
6511 4822 130 80446 LL4148
6513 4822 130 80446 LL4148

6514 4822 130 80446 LL4148
6515 4822 130 80446 LL4148
6516 4822 130 80886 LLZ-F22
6517 4822 130 31456 BZV85-C5V1
6521 4822 130 42488 BYD33D

6522 ▲ 4822 130 30621 1N4148
6523 4822 130 80446 LL4148
6530 4822 130 82033 BYD34J
6537 4822 130 34167 BZX79-F6V2
6540 4822 130 42488 BYD33D

6545 4822 130 42488 BYD33D
6549 4822 130 80446 LL4148
6554 4822 130 42489 BYD33G
6555 4822 130 82305 LLZ-F18
6557 4822 130 80887 LLZ-F36

6558 4822 130 80887 LLZ-F36
6559 4822 130 80887 LLZ-F36
6562 4822 130 80905 LLZ-F5V1
6566 4822 130 34174 BZX79-F4V7
6568 4822 130 81147 LLZ-F6V2

6569 4822 130 80446 LL4148
6570 4822 130 20245 SF0R5D43
6573 4822 130 80446 LL4148
6602 4822 130 82037 HZT33
6603 4822 130 80446 LL4148

6604 4822 130 80446 LL4148
6605 4822 130 80446 LL4148
6606 4822 130 80446 LL4148
6658 4822 130 80446 LL4148
6663 ▲ 4822 209 30563 TLXR5400

6679 4822 130 80446 LL4148
6698 4822 130 80446 LL4148
6849 ▲ 4822 130 30621 1N4148
6850 4822 130 80446 LL4148
6851 4822 130 80446 LL4148

6852 4822 130 80446 LL4148
6853 4822 130 80446 LL4148
6854 4822 130 80446 LL4148
6855 4822 130 80446 LL4148
6865 ▲ 4822 130 30621 1N4148



7002 4822 209 10892 LA7910
7015 4822 209 63107 TDA4504B/N1B
7027 4822 130 61207 BC848
7030 4822 130 61207 BC848
7038 4822 130 61207 BC848

7125 4822 209 63105 TDA3843/V3
7135 4822 209 30278 TDA3827/V3
7156 4822 130 61207 BC848
7157 ▲ 4822 209 60956 TDA7052/N1
7158 4822 130 61207 BC848

7170 4822 130 61207 BC848
7221 4822 209 31714 TDA4661/V2
7250 4822 209 30011 TDA4650/V4
7251 4822 130 61207 BC848
7255 4822 130 42696 BC818-25

7256 4822 130 61207 BC848
7260 4822 209 30389 TDA4510/V8
7280 4822 209 63104 TDA3504/V1
7290 4822 130 42134 BC858BR
7400 4822 209 60955 TDA3653B/N1

7440 4822 130 41782 BF422
7445 4822 130 42679 BUT11AF
7512 5322 130 42136 BC848C
7514 ▲ 4822 130 82034 CNX83A
7515 4822 130 42513 BC858C

7516 5322 130 44349 BC635
7525 4822 130 42679 BUT11AF
7537 5322 130 60159 BC846B
7552 4822 130 42155 BC327A
7553 5322 130 42012 BC858A

7554 4822 130 42032 BC337A
7555 5322 130 60159 BC846
7556 4822 130 60136 BC856
7561 4822 130 40823 BD135
7563 5322 130 42012 BC858

7571 4822 130 61207 BC848
7600 4822 209 32117 TMP47C434N3146
7600 4822 209 32139 TMP47C834NR132
7600 4822 209 63948 TMP47C434N3122
7605 4822 209 73852 PMBT2369

7654 4822 130 61207 BC848
7658 4822 209 73852 PMBT2369
7665 4822 130 61207 BC848
7670 4822 130 61207 BC848
7672 4822 130 61207 BC848

7674 4822 130 61207 BC848
7685 4822 209 62098 ST24C02A
7686 4822 130 61207 BC848
7875 4822 130 61207 BC848
7876 4822 130 61207 BC848

7877 4822 130 61207 BC848

Picture tube module

▲ 4822 255 70251 CRT SOCKET

Various

1235 ▲ 4822 071 56301 FUSE 630MA



2202	4822 126 11544	22000pF 63V
2204	4822 122 32142	270pF 2% 63V
2206	4822 124 41828	1µF 20% 250V
2217	4822 122 32142	270pF 2% 63V
2230	4822 122 32142	270pF 2% 63V
2237	4822 121 41926	33nF 5% 630V



3202	4822 053 11123	12k 5% 2W
3203	4822 111 50518	1k5 5% 0,5W
3204	4822 051 10229	22Ω 2% 0,25W
3205	4822 051 10621	620Ω 2% 0,25W
3206	4822 051 10112	1k1 2% 0,25W
3207	4822 100 11638	4k7 20% 0,1W
3207	4822 100 20171	2k2 10% 0,05W
3208	4822 051 10008	0Ω 5% 0,25W
3208 ▲	4822 051 10242	2k4 2% 0,25W
3210	4822 051 10332	3k3 2% 0,25W
3211	4822 051 10332	3k3 2% 0,25W
3212	4822 051 10332	3k3 2% 0,25W
3213	4822 100 11637	2k2 20% 0,1W
3214	4822 100 11637	2k2 20% 0,1W
3215	4822 053 11123	12k 5% 2W
3216	4822 111 50518	1k5 5% 0,5W
3217	4822 051 10229	22Ω 2% 0,25W
3218	4822 051 10621	620Ω 2% 0,25W
3219	4822 051 10112	1k1 2% 0,25W
3220	4822 100 11638	4k7 20% 0,1W
3220	4822 100 20171	2k2 10% 0,05W
3221	4822 051 10008	0Ω 5% 0,25W
3221 ▲	4822 051 10242	2k4 2% 0,25W
3222	4822 051 10561	560Ω 2% 0,25W
3224	4822 051 10152	1k5 2% 0,25W
3225	4822 051 10432	4k3 2% 0,25W
3226	4822 051 10112	1k1 2% 0,25W
3226	4822 051 10911	910Ω 2% 0,25W
3227	4822 051 10102	1k 2% 0,25W
3228	4822 053 11123	12k 5% 2W
3229	4822 111 50518	1k5 5% 0,5W
3230	4822 051 10229	22Ω 2% 0,25W
3231	4822 051 10008	0Ω 5% 0,25W
3231 ▲	4822 051 10242	2k4 2% 0,25W
3232	4822 051 10621	620Ω 2% 0,25W
3233	4822 051 10112	1k1 2% 0,25W
3234	4822 100 11638	4k7 20% 0,1W
3234	4822 100 20171	2k2 10% 0,05W
3235 ▲	4822 052 10108	1Ω 5% 0,33W
3236	4822 111 50518	1k5 5% 0,5W
3237	4822 111 50518	1k5 5% 0,5W



5235	4822 158 10549	12 µH (21")
5235	5322 157 53016	10 µH (14/17")



6205	4822 130 80446	BAS32L
6218	4822 130 80446	BAS32L
6227	4822 130 80446	BAS32L



7205	4822 130 41782	BF422
7218	4822 130 41782	BF422
7225	5322 130 42012	BC858
7227	4822 130 41782	BF422

Teletext module

4822 265 40469	CONN. 6P FEM.
4822 265 40471	CONN. 8P FEM.

Various

1701	4822 242 81246	27MHz
1702	4822 242 71508	6,00MHz
1710 ▲	4822 071 52501	FUSE 250MA



2701	4822 122 32504	15pF 2% 63V
2702	4822 122 31971	10pF 2% 63V
2703	4822 122 31746	1000pF 2% 63V
2704	4822 122 33496	100nF 10% 63V
2705	4822 122 33496	100nF 10% 63V
2706	4822 122 33496	100nF 10% 63V
2707	4822 122 33496	100nF 10% 63V
2709	4822 126 10324	33pF 2% 63V
2710	4822 126 10324	33pF 2% 63V
2712	4822 122 33496	100nF 10% 63V
2713	4822 122 33496	100nF 10% 63V
2714	4822 122 33496	100nF 10% 63V
2715	4822 122 33496	100nF 10% 63V
2716	4822 122 33496	100nF 10% 63V
2732	4822 122 33496	100nF 10% 63V
2734	4822 124 40435	10µF 20% 50V
2736	4822 122 31766	120pF 2% 63V
2750	4822 124 40177	47µF 20% 10V
2752	4822 124 40177	47µF 20% 10V
2770	4822 124 41584	100µF 20% 10V



3700 ▲	4822 116 52219	330Ω 5% 0,5W
3701 ▲	4822 116 52219	330Ω 5% 0,5W
3702	4822 051 10332	3k3 2% 0,25W
3704	4822 051 10152	1k5 2% 0,25W
3705	4822 051 10273	27k 2% 0,25W
3706	4822 116 52213	180Ω 5% 0,5W
3707	4822 050 11002	1k 1% 0,4W
3709	4822 051 10333	33k 2% 0,25W
3710	4822 051 10103	10k 2% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3713	4822 051 10223	22k 2% 0,25W
3714	4822 051 10103	10k 2% 0,25W
3716	4822 051 51201	120Ω 1% 0,125W
3718	4822 116 52208	130Ω 5% 0,5W
3722	4822 051 10122	1k2 2% 0,25W
3723	4822 051 10102	1k 2% 0,25W
3724	4822 051 10332	3k3 2% 0,25W
3725	4822 051 10279	27Ω 2% 0,25W
3726	4822 051 10279	27Ω 2% 0,25W
3728	4822 051 10822	8k2 2% 0,25W
3729	4822 051 10331	330Ω 2% 0,25W
3730	4822 051 10471	470Ω 2% 0,25W
3731	4822 051 10331	330Ω 2% 0,25W
3732	4822 051 10102	1k 2% 0,25W
3733	4822 051 10102	1k 2% 0,25W
3734	4822 051 10681	680Ω 2% 0,25W
3735	4822 051 10561	560Ω 2% 0,25W
3736	4822 051 10473	47k 2% 0,25W
3737	4822 050 11002	1k 1% 0,4W
3738	4822 116 52284	47k 5% 0,5W
3740	4822 051 10102	1k 2% 0,25W
3741	4822 051 10102	1k 2% 0,25W
3742	4822 051 10102	1k 2% 0,25W
3750	4822 051 51201	120Ω 1% 0,125W
3751	4822 051 51201	120Ω 1% 0,125W
3752	4822 051 10101	100Ω 2% 0,25W
3756	4822 051 10103	10k 2% 0,25W

3757	4822 051 10101	100Ω 2% 0,25W
3760	4822 116 52256	2k2 5% 0,5W
3761	4822 116 52256	2k2 5% 0,5W
3762	4822 116 52175	100Ω 5% 0,5W

3763	4822 051 10101	100Ω 2% 0,25W
3765 ▲	4822 116 52202	82Ω 5% 0,5W
3766 ▲	4822 116 52202	82Ω 5% 0,5W
3767 ▲	4822 116 52202	82Ω 5% 0,5W
3768	4822 051 10101	100Ω 2% 0,25W

3769	4822 051 10331	330Ω 2% 0,25W
3770	4822 051 10101	100Ω 2% 0,25W

Jumper

4700	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4704	4822 051 10008	0Ω 5% 0,25W
4720	4822 051 10008	0Ω 5% 0,25W



5701	4822 157 70386	4,7μH
5704	4822 157 60123	6,8μH
5734	4822 157 53001	27μH
5746	4822 157 60123	6,8μH
5747	4822 157 60123	6,8μH

5770	4822 157 60123	6,8μH
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6704	4822 130 82886	LLZ-F3V0
6705	4822 130 80446	LL4148
6710	4822 130 81139	LLZ-C3V3
6750	4822 130 81227	LLZ-F5V6
6751	4822 130 81227	LLZ-F5V6



7700	4822 209 31215	SAA5246AP/H
7700	4822 209 32122	SAA5246AP/E/S
7701	4822 209 72681	MSM5165AL-12RS
7702	4822 209 30281	PCF84C81A/097
7702	4822 209 31069	PCF84C81AP/098

7702	4822 209 32102	PCF84C81AP/125
7710 ▲	5322 130 41982	BC848B
7711 ▲	5322 130 41982	BC848B
7713	5322 130 60159	BC846B
7715 ▲	5322 130 41982	BC848B

7731	5322 130 42012	BC858
7732 ▲	5322 130 41982	BC848B
7750	4822 130 40855	BC337
7751	4822 130 40855	BC337
7754 ▲	5322 130 41982	BC848B

7755 ▲	5322 130 41982	BC848B
7765 ▲	5322 130 41982	BC848B
7766 ▲	5322 130 41982	BC848B
7767 ▲	5322 130 41982	BC848B

Interface module

4822 265 30497	CONN. 5P MALE
4822 264 50148	CONN. 8P MALE
4822 267 50591	CONN. 6P MALE



3781	4822 116 52233	10k 5% 0,5W
3782	4822 117 10224	12Ω 5% 1W
3783	4822 116 52226	560Ω 5% 0,5W
3784	4822 116 52226	560Ω 5% 0,5W
3785	4822 116 52226	560Ω 5% 0,5W

3786	4822 050 11002	1k 1% 0,4W
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